45th

Annual Clemson Bull Sale

Presented by Clemson University and SC Cattlemen's Association

2021 CLEMSON®

EXTENSION BULL TEST PROGRAM

Angus • Braunvieh Composites • Gelbvieh • Hereford • Simmental • SimAngus

25 top end open and ready to breed heifers will be offered

ONLINE AND CALL IN ONLY

Saturday • **February 6, 2021** • *Noon*

Sale will be virtual only via DV Auction

Bulls can be viewed prior to the sale by contacting Dr. Steve Meadows, Clemson Bull Test Director

Contact 864-633-9970 or email at smdws@clemson.edu

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Sale Bull videos can be viewed at DV Auction as well as the Clemson University Bull Test WEB site
https://www.clemson.edu/extension/bulltest/clemson/index.html

Announcements: Announcements from the auction box will take precedence over the information printed in the sale book announcements.

Sale Order: See page 4.

Auctioneer: Dale Stith – Mayslick, Kentucky 918-760-1550

Bull Test Site:
Location of bull test where bulls can be viewed:
Clemson University Bull Test Station, 1019 Bishop Branch Road, Central, SC 29630.

Sale and Test Director:
Dr. Steven E. Meadows
Cell: 864-633-9970
Email: smdws@clemson.edu

Sale Day Telephone: 864-633-9970 or 864-940-2428

Bidding Assistance and Sale Day Representatives:
Mr. Brian Beer, Clemson University..... 803-320-9360
Dr. Brian Bolt, Clemson University 864-934-2104
Dr. Mathew Burns, Clemson University..... 864-940-2428
Dr. Steve Meadows, Clemson University..... 864-633-9970
Mr. Travis Mitchell, Clemson University,
South Carolina Cattlemen's Association 803-609-2828
Mr. Lee Van Vlake, Clemson University..... 843-344-3322
Mrs. Lyndsey Craig, Clemson University..... 908-268-8133

Test Manager:
Scott Justice
Beef and Sheep Farm Manager
Cell: 803-535-9545

Livestock Mortality Insurance:
A representative from American Live Stock Insurance Company will be available to assist you with mortality insurance for your purchases.

ALL bulls must be picked up the day of the sale.

Clemson Extension Area Livestock Agents:
Marion Barnes..... 843-909-1213
Brittany Flowers..... 850-209-5366
Chris LeMaster 864-490-9831
Sam Quinney..... 864-752-5812
Bryan Smith 803-924-1883
Chris Talley 864-844-3909
Hillary Pope..... 912-978-1743
Scott Sell (Edisto REC)..... 912-682-9590
Amber Starnes..... 864-680-2864

CLEMSON
Clemson Bull Test
Steven E. Meadows, Ph.D., Director
Clemson University
103 Barre Hall • Clemson, SC 29634
(864) 633-9970 • smdws@clemson.edu

Welcome to the 45th Clemson University Extension Service, 2021 Performance Tested Bull Sale. We are truly humbled to have you consider the Clemson University Bull Test as your source of superior performance tested genetics. Out of an abundance of caution due to ongoing pandemic, ***this year's sale will be virtual only.*** *While we realize this will be different for all of us, we are dedicated to making sure everyone can look, bid, and purchase bulls.* ***The sale will be conducted and carried live by DV Auctions.*** *You will also see listed on this page of the sale book, our sale representatives/contacts who will be happy to assist you with your bidding. These sale representatives will be available to take your bid over the phone on a one on one basis if you so desire.* ***The bulls are available for viewing at anytime by calling me on my cell phone at 864-633-9970 to make an appointment.*** *You may also view a video of each bull on the Clemson Bull Test Website, American Angus Association Website and DVAuctions. Pick up of the bulls will be available immediately after the sale and available Monday, Tuesday and Thursday following the sale. Pick up times will be from 10:00a.m. thru 4:00 p.m. on those days.* ***It is necessary you make an appointment for pickup with me before showing up.*** *That assures that we will have the bulls up.* ***Trucking will be available as well.*** *Bulls will be loaded out/ picked up at the Clemson Bull Test Station. Address for load out is 1019 Bishop Branch Road, Central, S.C. 29630.*

This year's offering is packed with power genetics from top to bottom and that is no exaggeration. Whether you are looking for a herd bull to increase performance, lower birth weights, enhance maternal qualities or improve feed efficiency, this is your source and opportunity. As you study the sale book, you are going to see the majority of bulls are weighing in excess of 1200 lbs at 365 days and there are bulls weighing in excess of 1300, 1400 and one at 1566 lbs adjusted 365 day weight in working condition. These power-packed bulls combine outstanding performance on a structurally correct frame and are ready for today's cattle industry. This year's lineup is the absolute best set of bulls we have offered across the board. Please note the bulls have been evaluated and screened for disposition, structural correctness as well as foot/ hoof development. The sale bulls were turned out on pasture the first of December and will be ready to work for you when you get them home.

If you have any questions at all, please feel to call at 864-633-9970 or email at smdws@clemson.edu.

Sincerely,
Steven E. Meadows Ph.D.
Director, Clemson Extension Bull Test Program
Cell 864-633-9970
Email: smdws@clemson.edu

ANGUS MEDIA EPDs contained in the hard copy of this sale book were current as of print date. Digital versions of this sale book can be viewed online at www.angus.org and will have EPDs updated every Friday with the exception of EPD references in footnotes and photos. Any PDF downloads from the website will contain EPDs current as of the date downloaded. References: American Angus Association®, AHIR®, AngusSource®, CAB®, Pathfinder®.

GENERAL INFORMATION

Entry Requirements:

1. All consignors must be members of the South Carolina Cattlemen's Association.
2. Breeders' herds must be enrolled in their respective breed association's performance records program.
3. All bulls must be registered purebreds or registered hybrids (Balancer, Simangus, etc.).
4. Birth Dates: **Senior bulls** - September 1, 2018 to October 31, 2019
   Junior bulls - November 1, 2018 to December 31, 2019
5. Embryo transplant calves will be accepted.
6. Actual birth weights are required for all bulls.
7. Minimum Adj. 205-Day Weaning Weight: British breeds - 575 lbs and All Other Breeds - 625 lbs.
8. Minimum Adj. 205-Day Weaning Weight Ratio of 93. All bulls, except embryo transplants, must be raised by their genetic dams.
9. All bulls must have a negative blood tests for persistent BVD test within 30 days of delivery date and (out of state bulls) official state health papers (CVI) when delivered.
10. Pre-Delivery Health Requirements:
    a. Vaccinations - IBR, PI^3, BVD, BRSV, 5-way Leptospirosis, 7-way Blackleg (Clostridials) and Pasteurella haemolytica
    b. Dewormed and treated for grub and lice control.

Sale Requirements:

1. **Minimum performance requirements:**
   a. Average Daily Gain Ratio - 85
   b. Weight per Day of Age Ratio - 90
   c. Adjusted 365-Day Yearling Weight Ratio - 90
2. **Minimum Adjusted 365-Day Yearling Scrotal Circumference - 30.0 cm.**
3. Sale eligible bulls must pass a Screening Committee's evaluation of frame size, structural soundness, disposition and muscling.
4. All bulls must pass a comprehensive Breeding Soundness Exam.
5. All bulls sell under their respective breed association guarantees.
6. Sale order based on **INDEX = (RFI Daily ratio – (RFI daily avg + RFI daily actual))/2**
   New index is structured to give merit to bulls that excel at performance and efficiency. It is an estimate and should be used as another tool in addition to other information provided when making selection decisions.
   Index, Sale Order, RFI, and videos are posted on:
   http://www.clemson.edu/extension/livestock/beef/bulltests-cubt/

How Bulls Have Been Handled:

1. **August** - Bulls were delivered to the test station, tagged, dewormed with Eprinex pour-on, treated with Probios and temperature recorded. The 14-day pre-test warm-up period began.
2. **September** - Bulls were weighed on-test and vaccinated with (modified live IBR, PI^3, BVD, BRSV, 5-way Leptospirosis), (Pasteurella haemolytica and Multocida) and (7-way Blackleg - Clostridials) vaccines.
3. **October** - Yearling scrotal circumference measurements were taken on the senior bulls.
4. **December** - All bulls were weighed off-test weight and yearling scrotal circumference measurements were taken on the junior bulls.
5. **January** - Bulls were given complete Breeding Soundness Exam.
6. **Week Prior to Sale** - All bulls were weighed and measured.

Feed Program:

The bulls were fed a commodity by-product based test ration containing Rumensin during the 2-week pre-test warm-up period, the test and post-test periods. The GrowSafe 6000 system was used to measure individual intake data for each bull.

The new system utilizes more of an individual feeding system, meaning that one bull eats at a time, but any bull in the pen can eat out of any feeding bunk/node within that pen. The bulls are tagged with an RFID tag upon arrival to the test. Each feeding node is equipped with a separate bunk, which sits on a set of load bars and is wrapped with an EID tag reader. When a bull puts his head through the bars and begins to eat, the node records his EID tag number, weight of the bunk, date, and time for every second he is eating at the bunk. Each node is hardwired to a data acquisition panel located within 30' of the feeding space. The data acquisition panel then wirelessly transmits the data back to the office computer for recording and data analysis. The system has certainly served in its role to calculate feed intake, but also has offered valuable information for test managers during the duration of the test. Data transmitted back to the computer is analyzed and presented on the computer in several different screens, but one of the most useful screens is the "reduced intake" screen. When a bull has a reduced intake meaning, decreased from the pen average or decreased 25% or more from his previous day's intake, his number shows up on this screen. Reduced intake information is used on a daily basis to help identify bulls that may have health concerns.

Residual feed intake is simply: actual feed intake - expected feed intake = residual feed intake. What does this number mean? A positive residual feed intake means the bull ate more feed than expected to achieve his actual performance, whereas a negative residual feed intake means the bull ate less feed than expected to achieve his actual performance. For example, if we have two bulls (start weights are the same) both gaining 2.5 lbs. per day over a 75-day period. We would expect them to eat approximately 1,500 lbs. of feed per bull over the test period. However, bull A ate 1,717 lbs. of feed and bull B ate 1,232 lbs. of feed. Bull A residual feed intake would be: 1,717 - 1,500 = 217 lbs., and bull B residual feed intake would be: 1,232 - 1,500 = -268. Overall, bull A ate 485 lbs. more feed over a 75-day test period to gain the same amount of weight as bull B. Therefore, in this scenario, bull B could be considered "more efficient" than bull A. Residual feed intakes are presented on one page in the back of the sale book. Please ask if you have any questions about the data or system.

GENERAL INFORMATION

Contributors to the Clemson Bull Test Program:

The following companies and representatives contributed supplies to the Clemson Bull Testing Program. Their generous support of this program for the genetic improvement of South Carolina's beef cattle industry is appreciated:
Sagebrush Tags - Stu Marsh - 1-800-511-4744
Boehringer Ingelheim Animal Health - Randy Fordham (Danielsville, GA)
Godfrey's Feed - Weyman Hunt - 706-474-0536

TERMS AND CONDITIONS OF SALE

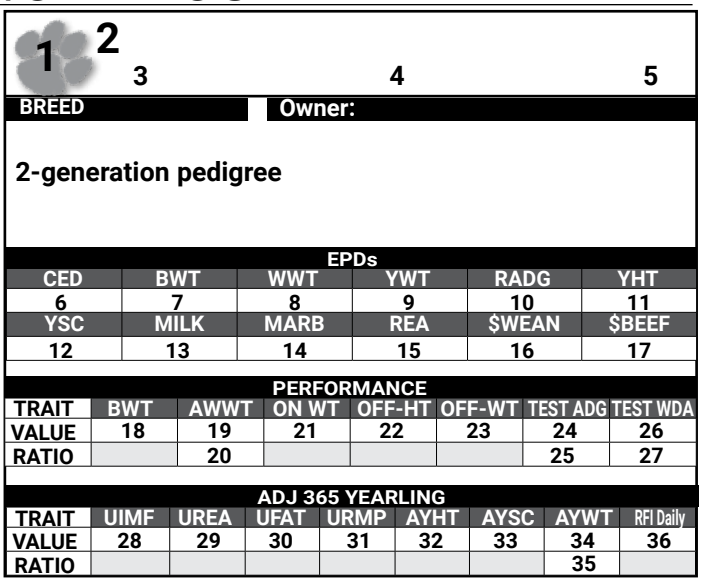
1. Each animal will be sold to the highest bidder. The Auctioneer will settle any disputes as to bids.
2. Terms of the sale are cash or check payable to: Clemson University. Payment is due the day of the sale.
3. Each animal becomes the responsibility and risk of the new owner as soon as it is sold to the highest bidder in the auction ring.
4. Animals will be fed and cared for up to 4 hours after the sale (for no additional charge) unless other arrangements have been made.
5. A certificate of registration will be furnished by the consignor for each bull. As a courtesy, the test managers will coordinate the transfer of breed registration papers to the buyers.
6. Cattle available in this sale have been registered with their respective breed associations by consignor and are held out to meet the genetic and breed specifications of their respective breed associations.
7. All bulls have passed a breeding soundness exam administered by a qualified, 3rd party veterinarian. Any concerns regarding the fertility of the bull should be resolved between the purchaser and the consignor.
8. The above terms and conditions of the sale shall constitute a contract between the buyer and consignor of each lot and shall be equally binding upon both parties.
9. A "CONSIGNOR" may not "NO SALE" a bull during or after the sale.
10. Clemson University in its capacity as an educational institution and in carrying out its public responsibilities is vitally interested in promoting quality and healthy livestock. In doing so, the University acts solely as a host and facilitator of this sale event and is not responsible for any losses incurred by individuals, nor should Clemson University be considered as a party to the contract for the sale of the animal.
11. FLOOR PRICE – a minimum floor price of $1,750 is set on each bull. This is the average value of bulls of this weight and condition if sold for beef at the stockyards. Bulls not selling during the auction will be taken home by the consignor or shipped directly to slaughter following the sale at consignor's cost.

Relationship of USDA Quality Grade, Percent Intramuscular Fat (%IMF), Marbling Degree, and Marbling Score in Market Animals

Quality Grade	%IMF	Marbling Degree	Marbling Score
Prime 0	> 12.1	Moderately Abundant 00-90	9.0 - 9.9
Prime -	9.8 - 12.1	Slightly Abundant 00-90	8.0 - 8.9
Choice +	7.7 - 9.7	Moderate 00-90	7.0 - 7.9
Choice 0	5.8 - 7.6	Modest 00-90	6.0 - 6.9
Choice -	4.0 - 5.7	Small 00-90	5.0 - 5.9
Select +	3.1 - 3.9	Slight 50-90	4.5 - 4.9
Select -	2.3 - 3.0	Slight 00-40	4.0 - 4.4
Standard	< 2.3	Traces 00-90	3.0 - 3.9

PERFORMANCE RECORD

1. Tag No. = bull's test ear tag number.
2. Registered Name = bull's registered name.
3. Birth Date = actual birth date.
4. Reg. No. = breed association official registration number.
5. Tattoo No. = bull's permanent identification in ear.
6. CED = calving ease direct EPD
7. BWT EPD = birth weight EPD (lbs.) is a within breed predictor of a bull's ability to transmit birth weight to his progeny compared to other bulls.
8. WWT EPD = weaning weight EPD (lbs.) is a within breed predictor of a bull's ability to transmit preweaning growth to his progeny compared to other bulls.
9. YWT EPD = yearling weight EPD (lbs.) is a predictor of a bull's ability to transmit yearling growth to his progeny compared to other bulls.
10. RADG EPD = feed efficiency expressed in pounds per day, is a predictor of a sire's genetic ability for postweaning gain in future progeny compared to that of other sires, given a constant amount of feed consumed.
11. YHT EPD = yearling height EPD (inches) is a within breed predictor of a bull's ability to transmit yearling height to his progeny compared to other bulls.
12. YSC EPD = yearling scrotal circumference EPD (cm) is a within breed predictor of a bull's ability to transmit yearling scrotal size to his sons compared to other bulls.
13. Milk EPD = maternal milk EPD (lbs. of calf weaning weight) is a within breed predictor of a bull's ability to transmit milk and maternal ability to his daughters compared to daughters of all other bulls.
14. MARB EPD = marbling EPD - expressed as a fraction of the difference in USDA marbling score - is a within breed predictor of a bull's ability to transmit marbling to his progeny compared to progeny of other bulls evaluated at a given slaughter endpoint.
15. REA EPD = ribeye area EPD (sq.in.) is a within breed predictor of a bull's ability to transmit ribeye size to his progeny compared to progeny of other bulls evaluated at a given slaughter endpoint.
16. $Wean = an index value expressed in dollars per head, is the expected average difference in future progeny performance for preweaning merit. $W includes both revenue and cost adjustments associated with differences in birth weight, weaning direct growth, maternal milk, and mature cow size.
17. $Beef = $Beef index ($ per head) is a within breed predictor of the expected average difference in a bull's progeny performance for postweaning and carcass value compared to progeny of other sires.



18. BWT = actual birth weight (lbs.).
19. AWWT = weaning weight (lbs.) adjusted to 205 days of age and for age-of-dam.
20. AWWT Ratio = ratio of bull's adj. 205-day weaning weight to the average for all bulls in the same weaning management group.
21. On-Wt = on-test weight (lbs.).
22. Off-Ht = off-test hip height (inches).
23. Off-Wt = off-test weight (lbs.).
24. Test ADG = test average daily gain (lbs./day) = [On-Test Weight - Off-Test Weight] / Days on Test.
25. ADG Ratio = ratio of bull's ADG to his breed-age group average.
26. Test WDA = weight per day of age (lbs./day) = (Off-Test Weight / Off-Test Age).
27. WDA Ratio = ratio of bull's WDA to his breed-age group average.
28. u%IMF = adjusted 365-days yearling 12th rib % intramuscular fat.
29. uREA = adjusted 365-days yearling 12th rib ribeye area (in^2).
30. uFAT = adjusted 365-days yearling 12th rib fat thickness.
31. uRMP = adjusted 365-days yearling rump fat thickness.
32. AYHT = adjusted 365-days yearling hip height (inches).
33. AYSC = adjusted 365-days yearling scrotal circumference (cm).
34. AYWT = adjusted 365-days yearling weight (lbs.).
35. AYWT Ratio = ratio of bull's adjusted 365-days yearling weight to his breed-age group average.
36. RFI Daily = ADG + WDA.

2021 CLEMSON BULL TEST CONSIGNORS

Shuffler Farm
Eugene Shuffler
444 Union Grove Rd
Union Grove, NC 28689
704-876-9895
resdvm@yadtel.net
Lots 38, 41, 64

Broadway Cattle Farm, LLC
Chuck Broadway
4408 Medlin Road
Monroe, NC 28112
704-579-3514
cattle@bcsgroup.bz
Lots 45, 46, 47, 48, 50, 51

Barrett Farms
Chet Barrett
769 Tommy Irvin Rd
Mt. Airy, GA 30563
706-499-8008
chetbarrett61@gmail.com
Lots 24, 25

Edisto Pines Farm
Todd Edwards
700 Wagner Hwy
Leesville,S.C. 29070
803-379-1184
te.edistopines@gmail.com
Lots 76, 77, 78, 79, 80

Black Crest Farms
Billy McLeod
1320 Old Manning Rd
Sumter, S.C. 29150
803-481-2011
williammcleod@ftc-i.net
Lots 15, 17, 18

Clinton Farms
Lee Clinton
3005 Clinton Dairy Rd
Clover, SC 29710
704-913-6127
leeclinton4798@aol.com
Lots 81, 82

Shady River Farms
Jerry Ellis/Glenda Walker
1138 Liberty Rd SW
Calhoun, Ga 30701
706-629-2632
shadyriverfarm@yahoo.com
Lot 6

Panther Creek
John Smith
1434 Kitty Noecker Rd
Pink Hill, NC 28572
252-526-1929
johnsmith3982@embarqmail.com
Lots 19, 20, 21

Innisfail Farms
Weyman Hunt
PO Box 488
Madison, Georgia 30650
706-342-0264
weyman@godfreysfeed.com
Lot 84

Woodlawn Farm LLC
Rick Wood
5781 Hwy 115 W
Clarksville, GA 30523
706-499-2325
rick@gpspoultry.com
Lots 68, 73

Cooks Cattle Service
John Cook
PO Box 92
Buckhead, GA 30605
706-818-1348
cookscattleservices@yahoo.com
Lots 53, 55, 65

Brendy Hill Farm
Virgil Wall
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Ninety Six, SC 29666
864-942-2380
virgilwall@joahna.norbord.com
Lots 85, 86

AK/NDS
Jim Rathwell
159 Overdue Hill
Six Mile, SC 29682
864-868-9851
rathwell2@hotmail.com
Lots 26, 27, 71, 72

Yaupon Land & Cattle
Ryan Settle
501 Hickory Hollow Rd.
Inman, SC 29349
864-706-8035
yauponlandandcattle@gmail.com
Lots 59, 60

Eddie Bradley
2710 Dills Rd.
Hiawasse, GA 30546
706-994-2079
eddiebradley@windstream.net
Lots 13, 14

Oak Hill Farms
Danny Winchester
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864-637-8592
winchesterd@bellsouth.net
Lot 63

Bridges Beef Cattle
John Bridges
2032 Chatfield Rd.
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bridgesbeefcattle@gmail.com
Lots 28, 30, 31, 32, 74

Berry-Wells Farm
Jonathon Wells
2093 Crawfordville Rd.
Rayle, GA 30660
770-880-6678
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Lots 35, 36, 37

Goforth Angus
Tim Goforth
2852 Crissman Rd. #280
East Bend, NC 27018
336-403-1905
tg0575@gmail.com
Lots 3, 4

Britt Family Farms
James Britt
1111 W NC Hwy 403
Mt. Olive, NC 28325
919-738-6331
jrb4070@hotmail.com
Lots 33, 34

Brasstown Beef
Rob Bodine
1960 Brasstown Rd.
Brasstown, NC 28902
710-626-2244
rbodine@ridgefieldfarm.net
Lots 56, 58

SALE ORDER

SALE ORDER/ RANKING	TAG	GAIN INDEX	GAIN INDEX RATIO	RFI DAILY	TOTAL PERFORMANCE INDEX
1	45	9.31	123.1	0.44	122.07
2	21	9.25	122.21	0.13	121.5
3	47	9.02	119.2	-0.68	119.31
4	18	8.35	110.41	-8.77	118.62
5	56	8.87	117.23	-0.68	117.36
6	46	8.9	117.65	2.67	114.46
7	51	8.66	114.52	-0.406*	114.4
8	71	8.24	108.97	-4.71	113.16
9	78	8.75	115.69	2.65	112.53
10	17	7.62	100.67	-10.82	110.99
11	50	8.29	109.57	-1.37	110.45
12	81	8.48	112.08	1.26	110.33
13	79	9.11	120.43	9.66	110.28
14	77	8.51	112.5	1.81	110.2
15	20	8.25	109.01	-1.63	110.15
16	37	8.39	110.84	0.53	109.82
17	72	8.24	108.93	-1.15	109.6
18	80	7.91	104.56	-2.89	106.99
19	41	7.96	105.26	-2.03	106.83
20	60	7.48	98.86	-7.23	105.64
21	76	8.47	111.97	5.93	105.58
22	19	7.96	105.14	0.15	104.55
23	14	7.83	103.49	-0.49	103.54
24	74	7.83	103.53	0.57	102.54
25	34	7.63	100.91	-1.59	102.07
26	48	7.86	103.9	1.61	101.87
27	30	8.18	108.15	5.86	101.87
28	31	7.98	105.49	4.78	100.3
29	38	7.58	100.15	-0.46	100.21
30	33	7.49	99.01	-1.28	99.88
31	59	7.41	97.9	-2.36	99.86
32	35	7.54	99.7	-0.02	99.32
33	68	7.48	98.84	-0.86	99.29
34	6	7.46	98.55	-0.71	98.86
35	4	7.39	97.72	-1.32	98.64
36	58	7.47	98.73	1.41	96.93
37	25	6.91	91.39	-4.54	95.56
38	3	7.35	97.09	1.23	95.49
39	36	7.3	96.54	0.73	95.44
40	24	6.9	91.16	-3.95	94.75
41	84	6.67	88.2	-5.42	93.27
42	73	6.67	88.21	-5.2	93.06
43	15	7.05	93.16	0.29	92.53
44	82	7.55	99.82	6.99	92.49
45	64	7.41	97.92	5.2	92.38
46	28	6.83	90.33	-2.07	92.06
47	13	7.01	92.61	0.49	91.78
48	63	6.74	89.07	-2.23	90.97
49	26	6.58	86.94	-0.62	87.26
50	27	6.49	85.8	-0.68	86.19
51	55	6.28	82.98	-1.04	83.74
52	83	6.19	81.86	-1.37	82.96
53	53	5.89	77.87	-4.41	82.02
54	85	5.74	75.81	-0.71	76.31
55	65	5.99	79.19	2.76	76.22
56	86	5.21	68.87	-2.89	71.58

*RFI Value Missing/based on group average

3 GOFORTH 18-MILLION G7

09-01-2019 | Bull +*19761206 | Tattoo: G7

Angus/SR | **Goforth Angus East Bend, NC**

*Whitestone 18-Million
18000000
*Jindra Acclaim
Whitestone Everelda 5109

+*RB-GFC Lady Upshot 890-3144
17578681
#*EXAR Upshot 0562B
*RB Lady Standard 305-890

HD 50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+7 .33	+2.3 .49	+65 .43	+121 .37	+.31 .30	+.6 .43

SC	MILK	MARB	REA	$W	$B
+.37 .40	+37 .27	+.10 .34	+1.02 .34	+75	+147

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	74	952	2.22	15.5	.27	.32	48.9	36.62	1365
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1230	51	1530	3.80 / 91.45	3.55 / 103.87	101	1.23

4 GOFORTH 18-MILLION G8

09-05-2019 | Bull +*19761204 | Tattoo: G8

Angus/SR | **Goforth Angus East Bend, NC**

*Whitestone 18-Million
18000000
*Jindra Acclaim
Whitestone Everelda 5109

+*RB-GFC Lady Upshot 890-3144
17578681
#*EXAR Upshot 0562B
*RB Lady Standard 305-890

HD 50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+8 .33	+1.5 .49	+60 .43	+106 .37	+.27 .30	+.4 .44

SC	MILK	MARB	REA	$W	$B
+1.06 .40	+33 .28	+.73 .35	+.61 .36	+70	+148

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	72	768	3.89	12.7	.18	.35	51.5	40.75	1274
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1237.5	52.5	1550	3.80 / 91.45	3.60 / 105.25	100	-1.32

6 SRF HESSTON 196

10-03-2019 | Bull +*19713797 | Tattoo: 196

Angus/SR | **Shady River Farms Calhoun, GA**

+*SAV Hesston 2217
17318946
#*SAV Harvestor 0338
+SAV Emblynette 3301

+*ZWT Blue Ribbon Heiress 1184
17399412
#OCC Jet Stream 825J
Shamrock Vale BAR EXT 1174

HD 50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+1 .33	+2.5 .50	+53 .43	+79 .38	+.16 .29	-.2 .44

SC	MILK	MARB	REA	$W	$B
+.31 .41	+27 .34	+.54 .35	+.32 .35	+64	+82

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	72	646	2.64	14.1	.31	.45	46.7	33.15	1145
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
930	48.5	1285	4.23 / 101.85	3.23 / 94.47	91	-0.71

13 EJB MAIN EVENT 90G

09-04-2019 | Bull 3734700 | Tattoo: 90G

SimAngus/SR | **Eddie Bradley Hiawasse, GA**

TJ MAIN EVENT 503B
2891336
MR NLC UPGRADE U8676
TJ MISS NEW DAY U14

EJB JOSIE 809E
3417730
HOOK`S BROADWAY 11B
BRIDGES 5050 NEW DESIGN 171

EPDs

CED	BWT	WWT	YWT	MILK
12.4 0.41	1.1 0.45	83 0.45	130.2 0.45	26.5 0.22

MARB	RE	ST	API	TI
0.43 0.46	1.09 0.48	11.2 0.28	133.5	86.1

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	76	681	2.19	15.86	0.18		50	35.3	1132
RATIO									

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1050	51	1430	3.82 / 102.71	3.19 / 94.21	94	0.49

14 EJB MAIN EVENT 954G

09-07-2019 | Bull 3734701 | Tattoo: 954G

SimAngus/SR | **Eddie Bradley Hiawasse, GA**

TJ MAIN EVENT 503B
2891336
MR NLC UPGRADE U8676
TJ MISS NEW DAY U14

EJB JOSIE 809E
3417730
HOOK`S BROADWAY 11B
BRIDGES 5050 NEW DESIGN 171

EPDs

CED	BWT	WWT	YWT	MILK
12 0.42	2.7 0.45	89.7 0.45	150.4 0.45	26.5 0.21

MARB	RE	ST	API	TI
0.26 0.46	1.11 0.47	10 0.28	123.2	84.9

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	75	777	1.94	16.8	0.17		51	35.6	1321
RATIO									

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1185	52.5	1520	4.23 / 113.71	3.60 / 106.44	110	-0.49

15 BCF C765 BEEF BANK H421

09-09-2019 | Bull *19757964 | Tattoo: H421

Angus/SR | **Black Crest Farms Sumter, SC**

*KCF Bennett Beef Bank C765
18491423
Connealy Beef Bank
#*KCF Miss Complete Y468

BCF 2002B Rose C387
18539000
#*EXAR Denver 2002B
BCF 109 Rose Y282

HD 50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+4 .34	+2.9 .55	+74 .47	+138 .41	+.30 .31	+1.2 .50

SC	MILK	MARB	REA	$W	$B
+2.32 .45	+27 .29	+.50 .37	+.72 .37	+69	+155

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	70	712	2.92	13.7	.30	.40	52.1	45.57	1323
RATIO		111							107

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1207.5	54	1585	3.55 / 85.43	3.50 / 102.49	106	0.29

17 BCF C765 BEEF BANK H440

10-06-2019 | Bull *19757966 | Tattoo: H440

Angus/SR | **Black Crest Farms Sumter, SC**

*KCF Bennett Beef Bank C765
18491423

+*BCF 1P55 Complete A001
17656201

Connealy Beef Bank
#*KCF Miss Complete Y468
#*Summitcrest Complete 1P55
+*Rita 7O67 of Rita 5M46 Obj

HD50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+4 .32	+3.2 .52	+70 .45	+123 .39	+.23 .28	+.7 .48

SC	MILK	MARB	REA	$W	$B
+1.55 .44	+26 .28	+1.10 .35	+.67 .35	+69	+168

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	70	684	4.05	16.1	.33	.51	50.3	42.24	1273
RATIO		107							103

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1062.5	52	1415	4.09 / 98.57	3.53 / 103.14	102	-10.82

18 BCF 298 LEUPOLD H441

10-07-2019 | Bull +*19763603 | Tattoo: H441

Angus/SR | **Black Crest Farms Sumter, SC**

*GDAR Leupold 298
17228402

+*Wood Emblynette 3211
17991357

#*AAR Leupold 0578
*GDAR Miss Blackcap 9232
Lazy JB Top Shelf 9000
*SAV Emblynette 6277

HD50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+12 .33	-1.1 .49	+55 .42	+100 .37	+.22 .28	+.5 .43

SC	MILK	MARB	REA	$W	$B
+.69 .39	+20 .33	+.98 .36	+.16 .36	+53	+137

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	68	705	3.64	15.1	.31	.36	50.3	36.28	1236
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
976	51.5	1445	4.83 / 116.42	3.52 / 103.04	99	-8.77

19 PCF ENHANCE 956

09-10-2019 | Bull *19742719 | Tattoo: 956

Angus/SR | **Panther Creek Pink Hill, NC**

SydGen Enhance
18170041

PCF Skymere 706 of TB
19156926

*SydGen Exceed 3223
SydGen Rita 2618
*Bruns Thunderbolt 963
PCF Skymere 212 RP

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+3 .37	+4.2 .54	+79 .47	+140 .39	+.30 .33	+1.2 .46

SC	MILK	MARB	REA	$W	$B
+.94 .41	+38 .31	+1.25 .36	+.38 .36	+90	+188

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	73	811	6.89	13.5	.46	.52	51.2	38.94	1323
RATIO		110							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1090	54	1485	4.48 / 107.88	3.48 / 101.75	106	0.15

20 PCF SGR 961

09-19-2019 | Bull 19740585 | Tattoo: 961

Angus/SR | **Panther Creek Pink Hill, NC**

+*Spring Grove Discovery 6251
18578563

PCF Rita 628 of Z28
18827292

#*VAR Discovery 2240
+Daltons Primrose 18
*Chimney Top Upward Z28
Springfield Rita 0152

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+3 .28	+2.5 .50	+86 .42	+153 .33	+.31 .26	+.9 .41

SC	MILK	MARB	REA	$W	$B
+1.27 .34	+31 .25	+.93 .30	+1.09 .30	+89	+189

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	72	772	3.40	15.1	.19	.23	48.4	40.72	1260
RATIO		103							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1025	51	1415	4.77 / 115.00	3.48 / 101.67	101	-1.63

21 PCF DUALLY 965

ELITE

09-22-2019 | Bull 19740586 | Tattoo: 965

Angus/SR | **Panther Creek Pink Hill, NC**

*DL Dually
18608253

#PCF Skymere of Z28 419
18149021

DL Sonic 444
*DL Incentive 2103
*Chimney Top Upward Z28
PCF Skymere 234 Bis

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+4 .36	+3.1 .56	+96 .48	+170 .40	+.31 .32	+1.4 .47

SC	MILK	MARB	REA	$W	$B
+1.01 .41	+18 .31	+.38 .36	+.59 .36	+78	+148

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	72	731	3.13	13.1	.42	.39	N/A	39.83	1393
RATIO		114							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1117.5	53.5	1650	5.39 / 129.78	3.86 / 112.92	111	0.13

24 MR RENOWN 903 [DDP]

09-05-2019 | Bull 19780787 | Tattoo: 903

Angus/SR | **Barrett Farms Mt. Airy, GA**

#+*SAV Renown 3439
17633839

Gretsch Eisa Erica 3037
17809638

+Rito 707 of Ideal 3407 7075
*SAV Blackcap May 4136
#*SAV Final Answer 0035
Gretsch Eisa Erica 9022

HD50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+6 .24	+.7 .35	+56 .31	+103 .29	I+.23 .05	-.2 .35

SC	MILK	MARB	REA	$W	$B
+.44 .33	+20 .22	+.17 .23	+.45 .26	+51	+90

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	60	623	1.91	14.8	.62	.56	47.0	34.75	1172
RATIO		99							102

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1100	49	1440	3.64 / 87.62	3.26 / 95.39	94	-3.95

25 MR RENOWN 909

09-02-2019 | Bull 19780790 | Tattoo: 909

Angus/SR | **Barrett Farms Mt. Airy, GA**

#+*SAV Renown 3439
17633839

+Rito 707 of Ideal 3407 7075
*SAV Blackcap May 4136
+*Bramblett 1751 of 8001

Harris Rita 148
17471167

Ogeechee Rita 8075

HD50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+1 .22	+3.3 .34	+62 .30	+114 .26	I+.21 .05	+.8 .34

SC	MILK	MARB	REA	$W	$B
+.28 .31	+27 .19	+.14 .21	+.81 .24	+56	+125

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	66	680	2.18	14.4	.40	.40	51.0	35.66	1293
RATIO		108							112

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1170	52	1590	3.55 / 85.43	3.37 / 98.57	103	-4.54

26 AK/NDS BALANCE PAID 79G

09-27-2019 | Bull 3705824 | Tattoo: 79G

SimAngus/SR | **AK/NDS Six Mile, SC**

W/C BANKROLL 811D
3187005

W/C LOADED UP 1119Y
MISS WERNING KP 8543U
DADDYS MONEY

AK/NDS FLASHY SNAZZI
3146196

AK/NDS SASSY SNAZZI

EPDs

CED	BWT	WWT	YWT	MILK
12.4 0.18	0.7 0.2	66.5 0.19	95.2 0.19	22.9 0.09

MARB	RE	ST	API	TI
0.08 0.24	1.08 0.29	10.9 0.11	106.4	67.5

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	58	785	1.54	17.23	0.24		51	32.2	1221
RATIO									

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1137.5	52	1390	3.18 / 85.59	3.40 / 100.33	96	-0.62

27 AK/NDS PAID IN FULL 69G

09-27-2019 | Bull 3705837 | Tattoo: 69G

SimAngus/SR | **AK/NDS Six Mile, SC**

W/C BANKROLL 811D
3187005

W/C LOADED UP 1119Y
MISS WERNING KP 8543U
DADDYS MONEY

AK/NDS FLASHY SNAZZI
3146196

AK/NDS SASSY SNAZZI

EPDs

CED	BWT	WWT	YWT	MILK
12.4 0.18	0.7 0.2	66.5 0.19	95.2 0.19	22.9 0.09

MARB	RE	ST	API	TI
0.08 0.24	1.08 0.29	10.9 0.11	106.4	67.5

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	61	861	1.47	15.43	0.21		51	35.6	1157
RATIO									

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1050	52	1345	3.27 / 88.03	3.22 / 95.11	101	-0.68

28 BBC GROWTH FUND 904C

09-21-2019 | Bull +*19774552 | Tattoo: 904C

Angus/SR | **Bridges Beef Cattle Shelby, NC**

+*Deer Valley Growth Fund
18827828

#+*Basin Payweight 1682
+*Deer Valley Rita 36113
*Boyd Signature 1014

***Boyd Everelda Entense 5160**
18391437

Boyd Everelda Entense 2112

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+5 .34	+2.7 .50	+89 .43	+148 .38	+.29 .30	+.7 .44

SC	MILK	MARB	REA	$W	$B
+.84 .41	+27 .28	+.34 .36	+.73 .35	+93	+155

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	70	689	2.83	13.8	.28	.48	48.4	36.76	1177
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1020	51	1410	3.64 / 87.62	3.20 / 93.56	94	-2.07

30 BBC JET BLACK 914

10-13-2019 | Bull +*19760403 | Tattoo: 914

Angus/SR | **Bridges Beef Cattle Shelby, NC**

***Bar R Jet Black 5063**
18389838

#*Connealy Black Granite
Bar R Iris Anita 0113
#+*VAR Reserve 1111

+*BBC Abigale 518
18477526

+*Boyd Abigale 1121

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+8 .34	+1.8 .50	+84 .43	+151 .39	+.31 .33	+1.1 .45

SC	MILK	MARB	REA	$W	$B
+1.30 .41	+27 .28	+.55 .36	+.88 .36	+86	+155

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	84	634	1.93	15.1	.26	.23	50.5	39.47	1298
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1035	52	1450	4.55 / 109.52	3.64 / 106.41	104	5.86

31 BBC JET BLACK 918

10-23-2019 | Bull +*19760402 | Tattoo: 918

Angus/SR | **Bridges Beef Cattle Shelby, NC**

***Bar R Jet Black 5063**
18389838

#*Connealy Black Granite
Bar R Iris Anita 0113
#+*VAR Reserve 1111

+*BBC Abigale 518
18477526

+*Boyd Abigale 1121

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+11 .33	+1.7 .48	+82 .41	+148 .37	+.32 .31	+1.1 .43

SC	MILK	MARB	REA	$W	$B
+1.36 .39	+31 .26	+.90 .34	+.89 .34	+88	+175

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	85	662	2.41	14.9	.22	.42	50.3	39.81	1246
RATIO		120							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
956	51	1365	4.47 / 107.66	3.51 / 102.78	100	4.78

32 BBC ASHLAND 919

10-27-2019 | Bull 19774526 | Tattoo: 919

Angus/SR | **Bridges Beef Cattle Shelby, NC**

+*GAR Ashland
18217198

*GAR Early Bird
+*Chair Rock Ambush 1018
Rito 9B2 of Rita 6EMC BR28

BBC Bess B38
17283216

PB Bess 250

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+11 .34	+.7 .52	+74 .45	+135 .37	+.33 .30	+.7 .44

SC	MILK	MARB	REA	$W	$B
+.61 .38	+34 .29	+.99 .35	+.56 .35	+88	+178

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	82	651	3.49	14.6	.30	.48	50.4	35.42	1264
RATIO		112							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1015	50.5	1385	3.55 / 85.43	3.44 / 100.74	101	4.23

33 BRITT'S HIGH COTTON F54

10-16-2019 | Bull 19743277 | Tattoo: G54

Angus/SR | **Britt Family Farms Mt. Olive, NC**

+*Yon High Cotton D885
18486587

+*Yon Final Answer W494
*Yon Witch X360
#EXAR 263C

#Lemmon Blackbird A225
17777586

Lemmon Blackbird Y21

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+1 .35	+3.6 .54	+81 .47	+138 .39	+.27 .31	+.9 .45

SC	MILK	MARB	REA	$W	$B
+.89 .40	+22 .30	+.75 .35	+.82 .35	+74	+162

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	90	784	2.74	15.0	.36	.31	49.1	37.06	1237
RATIO		125							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
953	51	1370	4.13 / 99.55	3.36 / 98.27	99	-1.28

34 BRITT'S HIGH COTTON G30

09-12-2019 | Bull 19741748 | Tattoo: G30

Angus/SR | **Britt Family Farms Mt. Olive, NC**

+*Yon High Cotton D885
18486587

+*Yon Final Answer W494
*Yon Witch X360
*Lemmon New Design 5050 Z35

Britt's Elba E38
19518591

Lemmon Elba A175

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+8 .33	+2.0 .53	+81 .46	+147 .37	+.33 .29	+1.2 .44

SC	MILK	MARB	REA	$W	$B
+.66 .39	+30 .28	+.73 .34	+.73 .34	+85	+170

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	63	742	2.52	13.4	.36	.39	49.2	37.50	1240
RATIO		115							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
925	51	1395	4.50 / 108.43	3.13 / 91.70	99	-1.59

35 WELLS ACCLAIM W903

09-13-2019 | Bull +*19710676 | Tattoo: W903

Angus/SR | **Berry-Wells Farm Rayle, GA**

***Jindra Acclaim**
17972810

*Jindra 3rd Dimension
+Jindra Blackbird Lassy 1111
#*Deer Valley All In

Wells All In W619
19203640

Wells Retail Product W115

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+12 .35	-.2 .53	+72 .46	+138 .38	+.34 .33	+.9 .45

SC	MILK	MARB	REA	$W	$B
-.20 .40	+31 .32	+.87 .38	+.49 .37	+83	+168

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	70	766	2.60	14.2	.24	.35	48.7	34.61	1251
RATIO		108							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1085	51	1485	4.14 / 99.66	3.41 / 99.67	100	-0.02

36 WELLS ENHANCE W916

09-22-2019 | Bull +*19710688 | Tattoo: W916

Angus/SR | **Berry-Wells Farm Rayle, GA**

SydGen Enhance
18170041

*SydGen Exceed 3223
SydGen Rita 2618
#*AAR Ten X 7008 SA

+*Bridges Ten X 5500
18506715

+*GAR Complete R231

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+13 .35	+.5 .51	+71 .44	+135 .39	+.32 .34	+1.0 .46

SC	MILK	MARB	REA	$W	$B
+1.37 .42	+31 .32	+1.02 .38	+.51 .38	+81	+185

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	68	690	4.19	13.5	.32	.27	49.0	35.80	1132
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
966	52	1335	4.10 / 98.90	3.20 / 93.61	90	0.73

37 WELLS ENHANCE W925

09-28-2019 | Bull *19710698 | Tattoo: W925

Angus/SR | **Berry-Wells Farm Rayle, GA**

SydGen Enhance
18170041

*SydGen Exceed 3223
SydGen Rita 2618
+*GAR Sure Fire

***Bridges Sure Fire 702**
19023791

+*Hillside Momentum T75

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+11 .36	-1.1 .51	+60 .43	+118 .35	+.33 .31	+.9 .42

SC	MILK	MARB	REA	$W	$B
+1.72 .37	+27 .28	+1.47 .34	+1.03 .34	+67	+217

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	60	735	5.64	16.0	.28	.18	49.6	40.51	1273
RATIO		104							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
977	51	1465	4.91 / 118.39	3.47 / 101.59	102	0.53

38 SFS TRUE JUSTICE G31

09-09-2019 | Bull 3710382 | Tattoo: SFG31

Simmental/SR | **Shuffler Farm Union Grove, NC**

BBS TRUE JUSTICE B10 2878160
BDV TRUE GRIT 11X
BBS MISS JUSTICE Z7
JBS BIG CASINO 336Y

SFS ELLIE D49 3226751
SFS ELLIE X65

EPDs

CED		BWT		WWT		YWT		MILK	
11.3	0.25	2.4	0.35	100.5	0.32	153.3	0.32	27.2	0.22

MARB		RE		ST		API	TI
0.03	0.29	1.14	0.31	19.7	0.12	141.4	89.7

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	88	781	1.52	16.84	0.21		53	34.6	1319
RATIO		116							116

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1140	53.5	1490	4.09 / 129.42	3.49 / 112.96	102	-0.46

45 BCIV BLACKSTONE 9058

ELITE

09-15-2019 | Bull *19536969 | Tattoo: 9058

Angus/SR | **Broadway Cattle Farm, LLC Monroe, NC**

***Byergo/Double GG Blackstone** 18842383
*Byergo Black Magic 3348
Byergo May 2871

Bciv New Design of BU62 18839803
#+*PA Power Tool 9108
Bciv Mistress of RU23

ANGUSGS Powered by NEOGEN

EPDs

CED		BEPD		WEPD		YEPD		RADG		YH	
+3	.33	+3.6	.52	+80	.44	+150	.36	+.37	.29	+1.4	.43

SC		MILK		MARB		REA		$W	$B
+1.92	.38	+30	.26	+.68	.32	+.78	.33	+74	+170

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	89	838	3.79	15.8	.29	.51	52.3	40.10	1500
RATIO		113							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1187.5	55	1745	5.36 / 129.23	3.95 / 115.55	120	0.44

41 SFA AG32 ASSERTIVE OF PE07

09-09-2019 | Bull 19740601 | Tattoo: AG32

Angus/SR | **Shuffler Farm Union Grove, NC**

***KCF Bennett Assertive** 17863288
#*KCF Bennett Absolute
*KCF Miss Homestead Z98

SFA Blacklass PE07 19066832
#*Plattemere Weigh Up K360
Primus Blacklass 9016

HD50K

EPDs

CED		BEPD		WEPD		YEPD		RADG		YH	
+5	.26	+2.2	.36	+77	.30	+138	.22	N/A	N/A	I+.7	.05

SC		MILK		MARB		REA		$W	$B
N/A	N/A	+27	.15	N/A	N/A	N/A	N/A	+74	N/A

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	78	702	2.90	13.2	.24	.23	49.1	36.91	1232
RATIO		107							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1007.5	50.5	1390	4.64 / 111.71	3.33 / 97.35	98	-2.03

46 BCIV GROWTH FUND 9060

ELITE

09-15-2019 | Bull +*19539196 | Tattoo: 9060

Angus/SR | **Broadway Cattle Farm, LLC Monroe, NC**

+*Deer Valley Growth Fund 18827828
#+*Basin Payweight 1682
+*Deer Valley Rita 36113
#Sitz Upward 307R

+*Spruce Mtn Blackcap 0821 16905267
+*VAR Blackcap 6296

ANGUSGS Powered by NEOGEN

EPDs

CED		BEPD		WEPD		YEPD		RADG		YH	
+0	.36	+3.1	.53	+87	.45	+157	.39	+.34	.33	+.9	.52

SC		MILK		MARB		REA		$W	$B
+1.35	.49	+25	.31	+.90	.39	+.70	.38	+80	+180

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	89	771	3.22	14.1	.31	.41	49.3	41.07	1344
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1167.5	52.5	1570	5.07 / 122.12	3.83 / 112.14	107	2.67

43 SFA EG73 EHANCE OF IW57

10-23-2019 | Bull 19740607 | Tattoo: EG73

Angus/SR | **Shuffler Farm Union Grove, NC**

SydGen Enhance 18170041
*SydGen Exceed 3223
SydGen Rita 2618

#SFA Forever IW57 16929400
#+HA Image Maker 0415
#SFA Forever HR46

HD50K

EPDs

CED		BEPD		WEPD		YEPD		RADG		YH	
+4	.25	+2.0	.37	+69	.33	+130	.30	I+.29	.05	+1.2	.36

SC		MILK		MARB		REA		$W	$B
+.96	.30	+33	.20	+.82	.21	+.61	.24	+72	+171

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	84	805	4.38	15.8	.35	.41	52.3	37.89	1335
RATIO		114							109

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
981	53	1505	5.26 / 126.82	3.79 / 110.77	107	0.29

47 BCIV SKY HIGH 9079

ELITE

10-10-2019 | Bull +*19569372 | Tattoo: 9079

Angus/SR | **Broadway Cattle Farm, LLC Monroe, NC**

***Musgrave Sky High 1535** 18194415
#*Musgrave Big Sky
Flag Queen W 00649

***Byergo Elia 6329** 18858881
*Byergo Black Magic 3348
Byergo Miss Elia 2759

ANGUSGS Powered by NEOGEN

EPDs

CED		BEPD		WEPD		YEPD		RADG		YH	
+9	.33	+2.9	.50	+76	.43	+140	.38	+.31	.30	+1.0	.49

SC		MILK		MARB		REA		$W	$B
+.89	.46	+28	.31	+.86	.35	+.87	.35	+76	+168

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	88	721	2.95	13.9	.38	.56	51.9	39.37	1339
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1085	53	1505	5.14 / 123.76	3.88 / 113.57	107	-0.68

48 BCIV BLACK MAGIC 9055

09-14-2019 | Bull +*19546624 | Tattoo: 9055

Angus/SR | **Broadway Cattle Farm, LLC Monroe, NC**

*Silveiras Conversion 8064

***Byergo Black Magic 3348**
17803074

*Byergo Elia Cupcake 5900

#*KCF Bennett Absolute

+*RB Lady Absolute 2170-517
18146712

+*RB Lady 7125-890-2170

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+6 .33	+4.0 .49	+79 .42	+140 .37	+.33 .33	+1.2 .49
SC	**MILK**	**MARB**	**REA**	**$W**	**$B**
+1.48 .47	+31 .30	+.78 .36	+.94 .36	+78	+180

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	89	731	2.01	14.5	.29	.30	50.3	39.04	1243
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1097.5	52	1465	4.36 / 105.14	3.50 / 102.32	99	1.61

53 4CLF UNO MAS G906

09-01-2019 | Bull 3702513 | Tattoo: G906

Simmental/SR | **Cooks Cattle Service Buckhead, GA**

CNS DREAM ON L186

WLE UNO MAS X549
2532016

SHAWNEE MISS 770P

WS BEEF MAKER R13

WOODLAWN RED DIANIA
2543930

PSR MISS TEDDY U834

EPDs

CED	BWT	WWT	YWT	MILK
9.7 0.25	1.3 0.33	71.1 0.31	101.2 0.31	18.7 0.23
MARB	**RE**	**ST**	**API**	**TI**
0.34 0.28	0.76 0.31	13.7 0.17	132.4	78.9

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	91	668	2.18	14.71	0.255		51	34.8	1168
RATIO		97							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1025	52	1285	2.98 / 94.19	2.91 / 94.43	92	-4.41

50 BCIV BLACK MAGIC 9057 ELITE

09-14-2019 | Bull +*19546601 | Tattoo: 9057

Angus/SR | **Broadway Cattle Farm, LLC Monroe, NC**

*Silveiras Conversion 8064

***Byergo Black Magic 3348**
17803074

*Byergo Elia Cupcake 5900

Byergo Mighty Mike 0089

Byergo Elia Cupcake 3397
18656213

+Byergo Cupcake 523

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+4 .31	+3.2 .47	+72 .40	+135 .35	+.36 .30	+1.5 .47
SC	**MILK**	**MARB**	**REA**	**$W**	**$B**
+.97 .44	+31 .28	+.98 .34	+1.08 .34	+69	+212

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	99	719	3.58	15.1	.20	.18	52.8	39.04	1345
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1112.5	54	1550	4.68 / 112.81	3.61 / 105.57	107	-1.37

55 4CLF BIG TIMBER G928

10-14-2019 | Bull 3702511 | Tattoo: G928

Simmental/SR | **Cooks Cattle Service Buckhead, GA**

HOOK`S YELLOWSTONE 97Y

KOCH BIG TIMBER 685D
3133113

KOCH MS HOOKS BOY

COLEMAN REGIS 904

4CLF MS COLEMAN B434
3049543

MISS RHF JANNA

EPDs

CED	BWT	WWT	YWT	MILK
20.8 0.43	-5.1 0.47	59.6 0.45	86.3 0.46	24.4 0.17
MARB	**RE**	**ST**	**API**	**TI**
0.33 0.4	0.38 0.46	14.7 0.26	144.5	76

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	58	610	3.45	14.9	0.35		50.5	33.5	1052
RATIO		88							90

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
886	50.5	1125	3.31 / 104.68	2.97 / 96.19	92	-1.04

51 BCIV SOUTHSIDE G9037 ELITE

09-09-2019 | Bull 3606779 | Tattoo: G9037

SimAngus/SR | **Broadway Cattle Farm, LLC Monroe, NC**

NICHOLS EXTRA K205

K C F BENNETT SOUTHSIDE
3051467

K C F MISS 208 S11

POWER ENTENSE

BCIV MS JESSI OF DYR33
3280670

LADY DESTINY`S BENCHMARK

EPDs

CED	BWT	WWT	YWT	MILK
9.7 0.43	4 0.47	92.9 0.45	158 0.44	27.8 0.21
MARB	**RE**	**ST**	**API**	**TI**
0.57 0.41	0.8 0.45	12.6 0.23	134.8	89.1

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	102	751	2.4	15.34	0.31		53	41.1	1406
RATIO									

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1172.5	53	1630	4.91 / 132.05	3.76 / 110.95	117	-1.04

56 RF CAPITALIST G206

09-16-2019 | Bull BC98839 | Tattoo: G206

Angus/Braunvieh/SR | **Brasstown Beef Brasstown, NC**

CONNEALY CONFIDENCE 0100

C C C CAPITALIST 4248
179078237

C C C EVERELDA ENTENSE 8248

FLAT MTN FOCUS ON PROFIT

MS RF 206D
BC91353

MISS RF 217B

EPDs

S	CED	BWT	WWT	YWT	MILK	MARB	RE
	+13 0.25	-1.4 0.39	+51 0.35	+91 0.23	+25 0.25	+.20 0.25	+.74 0.74
D	CED	BWT	WWT	YWT	MILK	MARB	RE
	2 0.29	1.6 0.39	58 0.32	98 0.15	39 0.2	1.01 0.04	0.19 0.08

PERFORMANCE

TRAIT	BWT	AWWT	ON WT	OFF HT	OFF WT	TEST ADG	TEST WDA
VALUE	93	630	1035	51.5	1520	5.27	3.60
RATIO		100				113.73	101.80

PERFORMANCE

TRAIT	UIMF	UREA	UFAT	URMP	AYHT	AYSC	AYWT	RFI DAILY
VALUE					50.00	35.2	1268	-0.68
RATIO							103.0	

CLEMSON

58 RF CAPITALIST G299

09-19-2019 | Bull BC98326 | Tattoo: G299

Angus/Braunvieh/SR | **Brasstown Beef Brasstown, NC**

C C C CAPITALIST 4248
17907823?

CONNEALY CONFIDENCE 0100
C C C EVERELDA ENTENSE 8248
SYDGEN MANDATE 6079

MS RF 225D
BC91375

MISS RF 227B

EPDs

S	CED	BWT	WWT	YWT	MILK	MARB	RE
	+14 0.25	-1.5 0.39	+51 0.35	+91 0.23	+25 0.25	+.20 0.25	+.74 0.74
D	CED	BWT	WWT	YWT	MILK	MARB	RE
	4 0.25	1.4 0.37	54 0.28	92 0.11	42 0.15	0.9 0.03	0.06 0.06

PERFORMANCE

TRAIT	BWT	AWWT	ON WT	OFF HT	OFF WT	TEST ADG	TEST WDA
VALUE	85	680	1107.5	51.5	1515	4.00	3.47
RATIO		108				86.27	98.20

PERFORMANCE

TRAIT	UIMF	UREA	UFAT	URMP	AYHT	AYSC	AYWT	RFI DAILY
VALUE					51.00	38.0	1301	1.41
RATIO							106.0	

59 YLC MAGNITUDE G906

11-14-2019 | Bull +*19577341 | Tattoo: G906

Angus/JR | **Yaupon Land & Cattle Inman, SC**

***Mead Magnitude**
18543414

Yon Witch B190
17847249

*KCF Bennett Southside
#*Mead Primrose N198
#*Yon Future Focus T219
+Yon Witch Z812

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+11 .33	+1.5 .48	+80 .42	+145 .37	+.31 .30	+1.3 .43
SC	**MILK**	**MARB**	**REA**	**$W**	**$B**
+1.97 .39	+36 .28	+.65 .34	+.95 .34	+91	+172

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	73	779	4.62	14.3	.29	.27	50.0	40.02	1211
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
823	49	1205	4.13 / 99.30	3.28 / 94.18	95	-2.36

60 YLC BLACK MAGIC G908

12-12-2019 | Bull 19598896 | Tattoo: G908

Angus/JR | **Yaupon Land & Cattle Inman, SC**

***Byergo Black Magic 3348**
17803074

GBA Elluna 5420
18520207

*Silveiras Conversion 8064
*Byergo Elia Cupcake 5900
*Williams Incentive 200
Callaways Elluna 0890

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+1 .32	+3.7 .49	+91 .42	+160 .37	+.32 .31	+1.4 .43
SC	**MILK**	**MARB**	**REA**	**$W**	**$B**
+1.43 .38	+28 .28	+.55 .33	+.88 .33	+86	+182

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	80	842	4.55	12.9	.40	.53	49.0	37.68	1336
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
794	48	1190	4.05 / 97.44	3.43 / 98.48	105	-7.23

63 OHF WINCHESTERS ACCLAIM 171

11-03-2019 | Bull 19591442 | Tattoo: 171

Angus/JR | **Oak Hill Farms Six Mile, SC**

***Jindra Acclaim**
17972810

+Ohf Alexis's Answer 147
18978100

*Jindra 3rd Dimension
+Jindra Blackbird Lassy 1111
#*SAV Final Answer 0035
*Ohf Alexis Upward Z53

HD50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+6 .23	+1.4 .28	+73 .26	+135 .21	N/A N/A	N/A N/A
SC	**MILK**	**MARB**	**REA**	**$W**	**$B**
N/A N/A	+30 .18	N/A N/A	N/A N/A	+73	N/A

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	68	751	2.69	14.8	.38	.48	47.7	36.17	1186
RATIO		104							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
893	48	1210	3.54 / 85.10	3.20 / 91.95	95	-2.23

64 SFA EG80 ENHANCE OF AX47

11-13-2019 | Bull 19742874 | Tattoo: EG80

Angus/JR | **Shuffler Farm Union Grove, NC**

SydGen Enhance
18170041

#SFA Rita AX47
17332315

*SydGen Exceed 3223
SydGen Rita 2618
#*SAV Final Answer 0035
SFA Rita EU31

HD50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+13 .26	-1.4 .37	+60 .33	+120 .30	I+.31 .05	+1.0 .37
SC	**MILK**	**MARB**	**REA**	**$W**	**$B**
I+.74 .30	+31 .19	I+.85 .05	I+.58 .05	+65	+172

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	70	747	5.57	13.7	.43	.40	52.0	35.48	1272
RATIO		106							104

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
918	52	1350	3.95 / 94.93	3.46 / 99.45	100	5.2

65 4CLF COWBOY CUT G937

11-03-2019 | Bull 3702506 | Tattoo: G937

Simmental/JR | **Cooks Cattle Service Buckhead, GA**

CCR COWBOY CUT 5048Z
2703910

4CLF MISS OPTIMIZER E739
3411206

TRIPLE C SINGLETARY S3H
CCR MS 4045 TIME 7322T
HPF OPTIMIZER A512
HAYFIELDS PRIME BANDIT

EPDs

CED	BWT	WWT	YWT	MILK
13.3 0.43	2.8 0.47	94.4 0.45	144.5 0.44	17.4 0.22
MARB	**RE**	**ST**	**API**	**TI**
0.14 0.42	0.82 0.45	18.7 0.32	134.3	82.3

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	71	744	3.66	13.44	0.44		50	38.6	1172
RATIO		107							

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
886	50	1165	2.97 / 100.00	3.02 / 100.00		2.76

68 WOODLAWN EDISON

09-01-2019 | Bull 3697650 | Tattoo: 146G

Simmental/SR | **Woodlawn Farm LLC Clarksville, GA**

MR CCF 20-20 2964446 — MR CCF VISION / HTP SVF DEW THE STROKE
A146 2818583 — NLC BREAK FREE 72W / NLC U146 URSULA

EPDs

CED	BWT	WWT	YWT	MILK
12 0.41	3.6 0.48	90.1 0.45	142.8 0.44	16 0.19

MARB	RE	ST	API	TI
0.16 0.38	1.37 0.45	15.9 0.29	136.3	84.6

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	72	683	1.96	16.51	0.22		50	37.2	1199
RATIO		107							

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1082.5	51	1465	4.16 / 131.57	3.32 / 107.52	100	-0.86

73 WOODLAWN SUPERIOR

09-05-2019 | Bull 3699487 | Tattoo: 604G

Simmental/SR | **Woodlawn Farm LLC Clarksville, GA**

SANDEEN UPPER CLASS 2386 2642004 — MR NLC UPGRADE U8676 / SANDEEN DONNA 7386
SVF NJC EBONY S503 2387879 — HTP SVF IN DEW TIME / NJC EBONY ANTOINETTE

EPDs

CED	BWT	WWT	YWT	MILK
11.9 0.41	2.3 0.44	66.6 0.46	91.2 0.45	18.6 0.2

MARB	RE	ST	API	TI
0.09 0.43	0.94 0.45	8.1 0.3	106	68.8

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	74	741	1.72	16.97	0.21		49.5	36.9	1152
RATIO									

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1075	50.5	1385	3.50 / 110.72	3.17 / 102.82	96	-5.2

71 AK/NDS PAYROLL 89G

ELITE

12-04-2019 | Bull 3705842 | Tattoo: 89G

SimAngus/JR | **AK/NDS Six Mile, SC**

W/C BANKROLL 811D 3187005 — W/C LOADED UP 1119Y / MISS WERNING KP 8543U
E/T ALEXUS 368A 2830205 — MR NLC UPGRADE U8676 / TEHAMA BLACKCAP N577

EPDs

CED	BWT	WWT	YWT	MILK
12.5 0.25	1.9 0.28	85.4 0.29	129.6 0.3	22.1 0.14

MARB	RE	ST	API	TI
0.15 0.29	0.97 0.33	14.6 0.17	123.5	78.8

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	72	939	2.02	16.94	0.46		51	37.2	1566
RATIO									

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1065	51	1475	4.14 / 107.48	4.11 / 111.28		-4.71

74 BBC 18-MILLION 926

11-20-2019 | Bull +*19760404 | Tattoo: 926

Angus/JR | **Bridges Beef Cattle Shelby, NC**

*Whitestone 18-Million 18000000 — *Jindra Acclaim / Whitestone Everelda 5109
Deer Valley Blackbird 8189 16066726 — #GAR Retail Product / Thomas Blackbird 5077

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+6 .32	+2.3 .50	+70 .43	+128 .38	+.32 .30	+.4 .44

SC	MILK	MARB	REA	$W	$B
+.48 .40	+26 .29	+.32 .34	+.92 .34	+67	+166

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	92	655	2.37	15.4	.33	.32	50.2	36.70	1149
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
830	49	1225	4.41 / 105.96	3.42 / 98.46	90	0.57

72 AK/NDS CLASS NOTE 99G

12-05-2019 | Bull 3734156 | Tattoo: 99G

SimAngus/JR | **AK/NDS Six Mile, SC**

EXAR CLASSEN 1422B 3049004 — DAMERON FIRST CLASS / EXAR PRINCESS 2006
LMCS DELIGHTFUL DREAM 2513665 — CNS HFS DAY DREAMER / JARR MISS SALUTATION 33T

EPDs

CED	BWT	WWT	YWT	MILK
7.1 0.23	3.1 0.27	80.1 0.27	111.7 0.27	18.4 0.19

MARB	RE	ST	API	TI
0.34 0.28	0.49 0.3	10.6 0.1	111.5	75.9

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	68	941	2.05	14.75	0.27		51.5	43.3	1448
RATIO									

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
901	51.5	1335	4.47 / 116.10	3.77 / 102.22		-1.15

76 EPF ENHANCE 9921

ELITE

12-07-2019 | Bull *19684274 | Tattoo: 9921

Angus/JR | **Edisto Pines Farm Leesville,SC**

SydGen Enhance 18170041 — *SydGen Exceed 3223 / SydGen Rita 2618
*EXAR Blackcap 8054 19055528 — +*Baldridge Colonel C251 / +*Vintage Blackcap 6193

ANGUSGS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+5 .37	+1.9 .53	+86 .45	+155 .40	+.33 .33	+.9 .47

SC	MILK	MARB	REA	$W	$B
+1.88 .44	+31 .30	+.88 .37	+1.19 .36	+94	+207

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	75	807	5.21	15.3	.44	.35	50.4	37.86	1407
RATIO		102							102

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
891	49.5	1255	4.65 / 111.75	3.82 / 109.87	110	5.93

CLEMSON

77 EPF GROWTH FUND 9595

ELITE

12-01-2019 | Bull +*19683391 | Tattoo: 9595

Angus/JR | **Edisto Pines Farm Leesville,SC**

+*Deer Valley Growth Fund
18827828

***EPF Lady 5911**
18317261

#+*Basin Payweight 1682
+*Deer Valley Rita 36113
#+*GAR Prophet
*Bricton Lady 3724

ANGUS GS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+4 .36	+2.4 .52	+93 .45	+159 .39	+.31 .32	+.7 .46

SC	MILK	MARB	REA	$W	$B
+.95 .42	+27 .30	+.92 .37	+.54 .37	+96	+167

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	75	869	5.25	14.2	.58	.51	49.7	38.14	1363
RATIO		100							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
951	49	1300	4.60 / 110.66	3.91 / 112.35	107	1.81

78 EPF ASHLAND 9878

ELITE

12-07-2019 | Bull *19683302 | Tattoo: 9878

Angus/JR | **Edisto Pines Farm Leesville,SC**

+*GAR Ashland
18217198

+*DCF Lucy 7710
18914117

*GAR Early Bird
+*Chair Rock Ambush 1018
+*TEX Playbook 5437
+*44 Lucy X825

ANGUS GS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+13 .38	+1.4 .54	+92 .47	+157 .41	+.28 .33	+.8 .49

SC	MILK	MARB	REA	$W	$B
+.43 .45	+27 .30	+1.04 .38	+.79 .38	+98	+171

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	78	872	6.38	14.3	.42	.48	49.4	34.86	1454
RATIO		111							106

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
873	48.5	1300	4.90 / 117.87	3.85 / 110.66	114	2.65

79 EPF HI TECH 9734

ELITE

10-23-2019 | Bull *19681788 | Tattoo: 9734

Angus/SR | **Edisto Pines Farm Leesville,SC**

+*EXAR Hi-Tech 4769B
17765302

+*CoX 8334 4129
18153830

#*AAR Ten X 7008 SA
+*EXAR Rita U049
#*EXAR Denver 2002B
+*VAR Lucy 8334

ANGUS GS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+11 .35	+3.9 .54	+84 .46	+151 .40	+.35 .31	+1.1 .48

SC	MILK	MARB	REA	$W	$B
+.71 .45	+22 .31	+.41 .36	+.66 .36	+73	+171

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	78	890	3.22	14.0	.35	.42	51.3	36.32	1344
RATIO		108							107

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1009	52	1440	5.26 / 126.72	3.85 / 112.72	107	9.66

80 EPF ENHANCE 9807

ELITE

09-28-2019 | Bull 19684284 | Tattoo: 9807

Angus/SR | **Edisto Pines Farm Leesville,SC**

SydGen Enhance
18170041

EPF Rita 6801
18985777

*SydGen Exceed 3223
SydGen Rita 2618
#+*GAR Prophet
*EPF Rita 4634

ANGUS GS Powered by NEOGEN

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+10 .37	+1.1 .56	+79 .48	+143 .42	+.27 .35	+.8 .50

SC	MILK	MARB	REA	$W	$B
+.57 .46	+33 .33	+1.09 .39	+.43 .39	+92	+154

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	80	905	5.74	12.5	.41	.38	51.6	37.01	1318
RATIO		110							105

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1120	52.5	1475	4.27 / 102.95	3.64 / 106.44	105	-2.89

81 LCF NIAGRA 902

10-18-2019 | Bull 19772627 | Tattoo: C902

Angus/SR | **Clinton Farms Clover, SC**

***SS Niagara Z29**
17287387

CRR Sarita EXD 161
14988698

#*Hoover Dam
Jet SS X144
+EXAR Denton 2490
CRR Margarita 055

HD 50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+7 .22	+1.4 .36	+56 .31	+107 .25	I+.25 .05	+.6 .32

SC	MILK	MARB	REA	$W	$B
+.29 .28	+26 .22	+.28 .20	+.90 .24	+54	+140

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	67	731	3.13	15.1	.30	.40	49.1	36.05	1201
RATIO		104							103

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
906	49.5	1325	4.99 / 120.25	3.49 / 102.07	96	1.26

82 LCF PROPHET 954

10-19-2019 | Bull 19772641 | Tattoo: C954

Angus/SR | **Clinton Farms Clover, SC**

#+*GAR Prophet
16295688

LCF Sarita Thunder 54
17799829

#CRA Bextor 872 5205 608
+GAR Objective 1885
#TC Thunder 805
CRR Sarita EXD 161

HD 50K

EPDs

CED	BEPD	WEPD	YEPD	RADG	YH
+10 .24	+1.2 .35	+60 .31	+107 .26	I+.20 .05	+.7 .32

SC	MILK	MARB	REA	$W	$B
+.17 .29	+30 .22	+1.21 .23	+.16 .26	+67	+138

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	72	753	8.22	12.7	.58	.39	49.7	36.66	1212
RATIO		107							104

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
941	51	1300	4.24 / 102.18	3.31 / 96.88	97	6.99

84 INNISFAIL 4013 21G (DLF;HYF;EF;MSLDF)

09-11-2019 | Bull 44097674 | Tattoo: IF21G

Hereford/SR | **Innisfail Farms Madison, GA**

INNISFAIL WHR X651/723 4013 ET (CHB)(DLF;HYF;EF;MSLDF;MDF)
P43541960
EFBEEF TFL U208 TESTED X651 ET (SDD)(DLF;HYF;EF;MSLDF)
INNISFAIL P230 T723 (DLF;HYF;EF;MSLDF)

INNISFAIL 755T 515C (DLF;HYF;EF;MSLDF)
P43624988
TH 223 7II VICTOR 755T (SDD)(DLF;HYF;EF;MSLDF;MDF)
INNISFAIL 9P N316 8320 ET

EPDs

CED		BWT		WWT		YWT		YSC		MILK	
-4.3	0.4	4.1	0.49	74	0.43	123	0.43	1.5	0.34	32	0.29

MARB		RE		BMI	BII	CHB
0.58	0.24	0.35	0.23	428	552	165

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	82	626	3.11	13.1	0.25		49.6	37.2	1099
RATIO		110							100

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
1030	51	1355	3.55 / 104.70	3.13 / 102.65	100	-5.42

85 WALV 012G

09-20-2019 | Bull 1474963 | Tattoo: 012G

Gelbvieh/SR | **Brendy Hill Farm Ninety Six, SC**

LAZY TV SAM U451
AMGV10792337
SAM SPADE 02S
?LAZY TV MS FULLBACK L643

MISS JENJ 326A
AMGV1245163?
MASON 14W
618S

EPDs

CED		BWT		WWT		YWT		MILK	
14	0.21	-0.1	0.33	64	0.28	93	0.27	25	0.21

MARB		RE		ST		YG		FPI
0.40	0.25	0.82	0.28	18	0.16	-0.28	0.23	78.45

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	74	633	1.736	12.13	0.14		50	39.2	1020
RATIO		96							

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
875	52	1140	3.02 / 107.00	2.71 / 102.45	97	-0.71

86 WALV 009G

09-16-2019 | Bull 1483505 | Tattoo: 009G

Gelbvieh/SR | **Brendy Hill Farm Ninety Six, SC**

EXT GOVENOR 3N
AMGV850450
FLYING H EXCLUSIVE
CHA MICHELL 74L

ELLA
AMGV1373364?
?LAZY TV SAM U451
BRENDY HILL MISSY 017X

EPDs

CED		BWT		WWT		YWT		MILK	
14	0.22	-0.3	0.33	70	0.25	104	0.24	29	0.21

MARB		RE		ST		YG		FPI
0.41	0.25	0.90	0.28	19	0.18	-0.37	0.23	83.62

PERFORMANCE

TRAIT	BW	205 WT	UIMF	UREA	UFAT	URMP	YR HT	ADJ SC	365 WT
VALUE	70	688	1.605	12.13	0.14		51	36.4	1076
RATIO									

TEST PERFORMANCE

ON WT	OFF-HT	OFF-WT	TEST ADG / RATIO	TEST WDA / RATIO	TEST YW RATIO	RFI Daily
52	1105	2.63	2.58 / 93.00	2.58 / 97.55	103	-2.89

Driving the science of better breeding

There's little room for error in the cattle business. Producers need the most advanced information to make smart selection decisions, and Angus Genetics Inc. (AGI) provides it through genomic-enhanced expected progeny differences (GE-EPDs).

EPDs that traditionally contained all pedigree, performance and progeny information now also include results from available genomic, or DNA, tests. Breeders who use genomic technology give buyers access to AGI-generated GE-EPDs that provide:

> Increased predictability and decreased risk for young and unproven animals due to enhanced accuracy of EPDs
> Better characterization of genetics for difficult-to-measure performance traits (such as carcass traits, maternal traits and feed efficiency)
> The ability to make more rapid progress for traits that are important to you, due to:
> - more accurate selection
> - easier identification of genetic outliers
> - the ability to propagate young animals with confidence earlier in their lives

In fact, GE-EPDs on unproven animals have the same amount of accuracy as if they had recorded 8-33 calves, depending on the trait. That's valuable insight, offered regularly through the breed's weekly national cattle evaluation at www.angus.org.

How do you know if EPDs are genomic-enhanced? Ask your breeder, refer to the registration paper, or look for the AGI GE-EPD logo, Angus GS TM powered by partner Neogen GeneSeek or the HD50k or i50k by partner Zoetis.

Trait	Progeny Equivalent	Trait	Progeny Equivalent
Calving Ease Direct	26	Heifer Pregnancy	17
Birth Weight	23	Calving Ease Maternal	20
Weaning Weight	27	Milk	36
Yearling Weight	23	Mature Weight	15
Dry Matter Intake	12	Mature Height	9
Scrotal Circumference	15	Carcass Weight	15
Docility	12	Yearling Height	17
Claw Set	10	Carcass Marbling	11
Foot Angle	10	Carcass Ribeye	17
		Carcass Fat	14

AGI GE-EPD | ANGUS GS Powered by Neogen GeneSeek | HD 50K

CLEMSON

AMERICAN ANGUS ASSOCIATION SELECTION TOOLS

Expected Progeny Difference (EPD), is the prediction of how future progeny of each animal are expected to perform relative to the progeny of other animals listed in the database. EPDs are expressed in units of measure for the trait, plus or minus.
Accuracy (ACC), is the reliability that can be placed on the EPD. An accuracy of close to 1.0 indicates higher reliability. Accuracy is impacted whether the animal has a genotype and the number of progeny and ancestral records included in the analysis.
Calving Ease Direct (CED), is expressed as a difference in percentage of unassisted births, with a higher value indicating greater calving ease in first-calf heifers. It predicts the average difference in ease with which a sire's calves will be born when he is bred to first-calf heifers.
Birth Weight (BW), expressed in pounds, is a predictor of a sire's ability to transmit birth weight to his progeny compared to that of other sires.
Weaning Weight (WW), expressed in pounds, is a predictor of a sire's ability to transmit weaning growth to his progeny compared to that of other sires.
Residual Average Daily Gain (RADG), feed efficiency expressed in pounds per day, is a predictor of a sire's genetic ability for postweaning gain in future progeny compared to that of other sires, given a constant amount of feed consumed.
Yearling Weight (YW), expressed in pounds, is a predictor of a sire's ability to transmit yearling growth to his progeny compared to that of other sires.
Yearling Height (YH), is a predictor of a sire's ability to transmit yearling height, expressed in inches, compared to the that of other sires.
Scrotal Circumference (SC), expressed in centimeters, is a predictor of the difference in transmitting ability for scrotal size compared to that of other sires.

MATERNAL
Maternal Milk (Milk), is a predictor of a sire's genetic merit for milk and mothering ability in his daughters compared to daughters of other sires. In other words, it is that part of a calf's weaning weight attributed to milk and mothering ability.

CARCASS
Marbling (Marb), is expressed as a fraction of the difference in USDA marbling score of a sire's progeny compared to progeny of other sires.
Ribeye Area (RE), expressed in square inches, is a predictor of the difference in ribeye area of a sire's progeny compared to progeny of other sires.

$VALUE INDEXES
$Value Indexes, reported in dollars per head, are multi-trait economic selection indexes where a higher values suggest more profit when comparing two individuals.
Weaned Calf Value ($W), expressed in dollars per head, provides the expected difference in future progeny preweaning performance from birth to weaning.
Beef Value ($B), expressed in dollars per carcass, represents the expected average differences in the progeny postweaning performance and carcass value compared to progeny of other sires. This index assumes commercial producers wean all male and female progeny, retain ownership of these animals through the feedlot and sell on a carcass merit grid.

AMERICAN SIMMENTAL ASSOCIATION SELECTION TOOLS

Expected Progeny Differences (EPDs): EPDs are the most accurate and effective tool available for comparing genetic levels. In using EPDs, the difference between two sires' EPDs represents the unit difference expected in the performance of their progeny. For example, if sires A and B have EPDs of +10 and –5, a 15-unit difference would be expected in their progeny (moving from -5 to +10 yields 15 units). Key to using EPDs is knowing what units they are expressed in. For example, if the above case referred to weaning weight EPDs, A would be expected to sire 15-pounds more weaning weight than B. If calving ease were the trait, A would be expected to sire 15-percent more unassisted births in first-calf heifers; in other words, if B sired 30 assists in a group of 100 heifers, we'd expect A to require 15 assists. A percentile-ranking chart is required to determine where a bull's EPDs rank him relative to other bulls in the breed. For percentile rankings or more detailed information about EPDs and $ indexes visit www.simmental.org. Listed below are the units ASA EPDs are expressed in:
All-Purpose Index (API): Dollars per cow exposed under an all-purpose-sire scenario. (See below for more details.)
Birth Weight (BW): Pounds of birth weight.
Calving Ease (CE): Percent of unassisted births when used on heifers.
Milk (MLK): Pounds of weaning weight due to milk.
Marbling (MRB): Marbling score.
Ribeye Area (REA): Square inches of ribeye. Warner-Bratzler
Stayability (STAY): Percent of daughters remaining in the cowherd at 6 years of age.
Terminal Index (TI): Dollars per cow exposed under a terminal-sire scenario. (See below for more details.)
Weaning Weight (WW): Pounds of weaning weight.
Yearling Weight (YW): Pounds of yearling weight.

$ Indexes: Though EPDs allow for the comparison of genetic levels for many economically important traits, they only provide a piece of the economic puzzle. That's where $ indexes come in. Through well-conceived, rigorous mathematical computation, $ indexes blend EPDs and economics to estimate an animal's overall impact on your bottom line. The same technology that led to the dramatic progress in swine, poultry and dairy genetics over the last several decades was used to develop the following $ indexes:
All-Purpose Index (API): Evaluates sires for use on the entire cow herd (bred to both Angus first-calf heifers and mature cows) with the portion of their daughters required to maintain herd size retained and the remaining heifers and steers put on feed and sold grade and yield.
Terminal Index (TI): Evaluates sire for use on mature Angus cows with all offspring put on feed and sold grade and yield.
Using API and TI: First, determine which index to use; if you're keeping replacements use API, if not, TI. Then, just as with EPDs, zero in on the unit difference between bulls. (As described above, index units are in dollars per cow exposed.) The difference can be used to determine how much a bull is worth compared to another. Or, put another way, how much you can pay for one bull compared to another. For example, when buying an all-purpose-type sire, you can quickly figure a bull scoring +100 for API is worth an extra $6,000 over a +50 bull if both are exposed to 30 cows over 4 years ($50 diff. x 30 hd. x 4 yr. = $6,000). A percentile-ranking chart is required to determine where a bull's index value ranks him relative to other bulls in the breed. For percentile rankings or more detailed information about EPDs and $ indexes visit www.simmental.org.

AMERICAN GELBVIEH ASSOCIATION SELECTION TOOLS

EPD DEFINITIONS
Listed below are the definitions of American Gelbvieh Association EPDs and the units in which they are published. The EPDs with an asterisk (*) next to the name are available to members only.

Maternal traits
Calving ease direct (CED): Percent of unassisted births of a bull's calves when he is used on heifers. A higher number is favorable, meaning better calving ease. This EPD can be vital to a rancher looking to decrease the amount of calves pulled in his herd.
Milk (Milk): The genetic ability of a sire's daughters to produce milk expressed in pounds of weaning weight.
Stayability (ST): Predicts the genetic difference, in terms of percent probability, that a bull's daughters will stay productive within a herd to at least six year of age. The stayability EPD is one of the best measures currently available to compare a bull's ability to produce females with reproductive longevity.

Growth traits
Birth weight (BW): Predicts the difference, in pounds, for birth weight of the calf.
Weaning weight (WW): Predicts the difference, in pounds, for weaning weight (adjusted to age of dam and a standard 205 days of age). This is an indicator of growth from birth to weaning.
Yearling weight (YW): Predicts the expected difference, in pounds, for yearling weight (adjusted to a standard 365 days of age). This is an indicator of growth from birth to yearling.

Carcass traits
Yield grade (YG): Differences in yield grade score, which is a predictor of percent retail product. Smaller values suggest that progeny will have a better lean to fat ratio.
Ribeye area (REA): Differences in ribeye area in inches between the 12th and 13th rib. Greater ribeye areas are preferable.
Marbling (MB): Predicts the differences in the degree of marbling within the ribeye as expressed in marbling score units. Greater marbling numbers are preferable and are an indicator of higher carcass quality grades.
***Average daily gain (ADG):** Difference in average daily gain in pounds based on an animal's performance during a feed intake test period.
***Residual feed intake (RFI):** Defined as the difference between an animal's actual daily feed intake and its predicted daily intake based on growth rate and body size. Animals with a positive RFI value are deemed more inefficient because they consume more than expected while animals with a negative RFI value are considered more efficient because they consume less than expected.

Indexes
Indexes are tools that allow producers to select for several EPDs at once, making selections more efficient than selecting on one trait at a time. Indexes weigh traits based on their importance to a producer's bottom line by using a trait's economic and genetic value. Indexes are a good way to put selection emphasis on traits that are economically relevant.
FPI™ which stands for feeder profit index: An economic selection index designed to aid producers in selecting sires whose progeny will perform in the feedlot and are sold on a grade and yield standpoint. Well ranking sires for FPI have higher marbling and carcass weight than their contemporaries. As a terminal index, little emphasis is put on maternal traits such as stayability and calving ease.

AMERICAN HEREFORD ASSOCIATION SELECTION TOOLS

Understanding Hereford EPDs
The American Hereford Association (AHA) currently produces expected progeny differences (EPDs) for 17 traits and calculates three profit indexes. AHA's genetic evaluation makes use of a Marker Effects Model that allows the calculation of EPDs by incorporating the pedigree, phenotypic and genomic profile of an animal. Animals that have a genomic profile will be denoted with a GE-EPD logo.
The current suite of Hereford EPDs and profit indexes includes:
Calving Ease — Direct (CE)
CE EPD is based on calving ease scores
and birth weights and is measured on a percentage. CE EPD indicates the influence of the sire on calving ease in females calving at 2 years of age. For example, if sire A has a CE EPD of 6 and sire B has a CE EPD of -2, then you would expect on average, if comparably mated, sire A's calves would have an 8 percent more likely chance of unassisted calving when compared to sire B's calves.
Birth Weight (BW)
BW EPD is an indicator trait for calving ease and is measured in pounds. For example, if sire A has a BW EPD of 3.6 and sire B has a BW EPD of 0.6, then you would expect on average, if comparably mated, sire A's calves would come 3 lb. heavier at birth when compared to sire B's calves. Larger BW EPDs usually, but not always, indicate more calving difficulty. The figure in parentheses found after each EPD is an accuracy value or reliability of the EPD.
Weaning Weight (WW)
WW EPD is an estimate of pre-weaning growth that is measured in pounds. For example, if sire A has a WW EPD of 60 and sire B has a WW EPD of 40, then you would expect on average if comparably mated, sire A's calves would weigh 20 lb. heavier at weaning when compared to sire B's calves.
Yearling Weight (YW)
YW EPD is an estimate of post-weaning growth that is measured in pounds. For example, if sire A has a YW EPD of 100 and sire B has a YW EPD of 70, then you would expect on average if comparably mated, sire A's calves would weigh 30 lb. heavier at a year of age when compared to sire B's calves.
Scrotal Circumference (SC)
Measured in centimeters and adjusted to 365 days of age, SC EPD is the best estimate of fertility. It is related to the bull's own semen quantity and quality, and is also associated with age at puberty of sons and daughters. Larger SC EPDs suggest younger age at puberty. Yearling sons of a sire with a 0.7 SC EPD should have yearling scrotal circumference measurements that average 0.7 centimeters (cm) larger than progeny by a bull with an EPD of 0.0 cm.
Maternal Milk (MM)
The MM EPD of a sire's daughters is expressed in pounds of calf weaned. It predicts the difference in average weaning weights of sires' daughters' progeny due to milking ability. Daughters of the sire with a +14 MM EPD should produce progeny with 205-day weights averaging 24 lb. more (as a result of greater milk production) than daughters of a bull with a MM EPD of -10 lb. (14 minus -10.0 = 24 lb.). This difference in weaning weight is due to total milk production during the entire lactation.
Ribeye Area (REA)
REA EPDs reflect differences in an adjusted 365-day ribeye area measurement based on carcass measurements of harvested cattle. Sires with relatively higher REA EPDs are expected to produce better-muscled and higher percentage yielding slaughter progeny than will sires with lower REA EPDs. Ultrasound measurements are also incorporated into this trait and have been shown to be highly correlated with the performance of slaughter progeny. All data is expressed on a carcass scale.
Marbling (MARB)
MARB EPDs reflect differences in an adjusted 365-day marbling score (intramuscular fat, [IMF]) based on carcass measurements of harvested cattle. Breeding cattle with higher MARB EPDs should produce slaughter progeny with a higher degree of IMF and therefore higher quality grades. Ultrasound measurements are also incorporated into this trait and have been shown to be highly correlated with the performance of slaughter progeny. All data is expressed on a carcass scale.
Baldy Maternal Index (BMI$)
The BMI$ is a maternally focused index that is based on a production system that uses Hereford x Angus cross cows. Progeny of these cows are directed towards Certified Hereford Beef. This index has significant weight on Sustained Cow Fertility, which predicts fertility and longevity of females. There is a slightly positive weight on Weaning Weight, Mature Cow Weight and Milk which accounts for enough growth but ensures females do not increase inputs. There is some negative emphasis on Dry Matter Intake, but a positive weighting on Carcass Weight which is anticipated to provide profitability from finishing of non-replacement females and castrated males. Marbling and Rib-eye Area are also positively weighted to keep the harvested progeny successful for CHB. This index is geared to identify Hereford bulls that will be profitable when used in a rotational cross with mature commercial Angus cows.
Brahman Influence Index (BII$)
The BII$ is a maternally focused index that is based on a production system that uses Brahman x Hereford cross cows. Progeny of these cows are directed towards a commodity beef market since Certified Hereford Beef© does not accept Brahman influenced cattle. This index has significant weight on Sustained Cow Fertility, which predicts fertility and longevity of females. There is a slightly positive weight on Weaning Weight, Mature Cow Weight and Milk which accounts for enough growth but ensures females do not increase inputs. There is some negative emphasis on Dry Matter Intake, but a positive weighting on Carcass Weight which is anticipated to provide profitability in finishing non-replacement females and castrated males. Marbling and Rib-eye Area are also positively weighted to keep harvested progeny successful for a variety of commodity based programs. This index targets producers that use Hereford bulls on Brahman influenced cows.
Certified Hereford Beef Index (CHB$)
CHB$ is a terminal sire index that is built on a production system where Hereford bulls are mated to mature commercial Angus cows and all progeny will be targeted for Certified Hereford Beef© after the finishing phase. This index has significant weight on Carcass Weight to ensure profit on the rail. As well there is a positive weighting for Average Daily Gain along with a negative weighting on Dry Matter Intake to ensure efficient pounds of growth in the finishing phase. Keep in mind, this production system takes advantage of complimentary breeding with the commercial Angus cow. Although Marbling is weighted positively in this index, a positive weighting for Rib-eye Area and a negative weighting for Back Fat are a greater priority in this index to allow for optimum end-product merit. This is the only index that has no emphasis on fertility. Remember that no replacement heifers are being retained.

Pick Up Bulls at Bull Test Site

Location of bull test where bulls can be viewed and picked up:

Clemson University Bull Test Station
1019 Bishop Branch Road
Central SC 29630.

CLEMSON
Clemson Bull Test
103 Barre Hall, Clemson University
Clemson, SC 29634

2021 CLEMSON

EXTENSION BULL TEST PROGRAM

Angus • Braunvieh Composites • Gelbvieh • Hereford • Simmental • SimAngus

2021 CLEMSON HEIFER SALE

25 Open, Yearling Heifers Ready to Breed!

Saturday • February 6, 2021 • Noon

DVAuction
Broadcasting Real-Time Auctions
www.DVAuction.com

ONLINE AND CALL IN ONLY

Saturday • **February 6, 2021** • *Noon*

Sale will be virtual only via DV Auction

Bulls can be viewed prior to the sale by contacting Dr. Steve Meadows, Clemson Bull Test Director
Contact 864-633-9970 or email at smdws@clemson.edu