Presented by Clemson University and SC Cattlemen’s Association

Annual Clemson Bull Sale

40th Annual Clemson Bull Sale

2016

CLEMSON

EXTENSION BULL TEST PROGRAM

Angus • Gelbvieh • Charolais • Red Angus • SimAngus • Simmental

Saturday • February 6, 2016 • Noon

Garrison Livestock Arena - Cattle Complex - Clemson, South Carolina
(3 miles East of Clemson on US Hwy 76 - Watch for Sign)
Announcements: Announcements from the auction box will take precedence over the information printed in the sale book announcements.

Sale Order: See page 4.

Auctioneer: Mike Jones - West Point, Georgia

Sale Site:
From Clemson, go south 3.5 miles on US Hwy 76. If heading north on US Hwy 76 from I-85 or Anderson, go 1.5 miles past the stoplight in Pendleton. The T. Ed Garrison Livestock Arena - Cattle Complex at Clemson, South Carolina is located 0.8 miles off of US Hwy 76. Watch for the Arena sign just past the Tri-County Technical College. The Cattle Complex is located on the left behind the Main Arena. There is a map on the inside back cover.

Lunch: Available at sale site.

Air Service:
Commercial airlines serve the Greenville-Spartanburg Airport located approximately one hour from the sale site.

Area Motels:
James F. Martin Inn - Clemson.... 4 miles ..... 888-654-9020
Comfort Inn - Clemson..............4 miles ..... 864-653-3600
Days Inn - Clemson..................5 miles ..... 800-329-7466
Hampton Inn - Clemson.............5 miles .. 800-HAMPTON
Ramada Inn - Clemson...............4 miles ..... 864-654-7501
Sleep Inn - Clemson...............4 miles ..... 864-653-6000

Test and Sale Sponsored by:
Clemson University Cooperative Extension Service
Clemson University Department of Animal and Veterinary Sciences
South Carolina Cattlemen’s Association

Sale Manager:
Dr. Matthew G. Burns
Extension Animal Scientist - Beef Specialist
Cell: 864-940-2428
103 Barre Hall, Clemson University
E-mail: burns5@clemson.edu
Clemson, SC 29634

Sale Day Telephone: 864-940-2428

Test Manager:
Mr. Gary Burns
Beef and Sheep Farm Manager
Cell: 864-617-3402

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.
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, 2014 to October 31, 2014
   Junior bulls - November 1, 2014 to December 31, 2014
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, PI³, 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
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.
7. bulls were delivered to the test station, tagged, dewormed with Eprinex pour-on, treated with Probios and temperature recorded.
8. Bulls were given complete Breeding Soundness Exam.
9. All bulls were weighed off-test weight and yearling scrotal circumference measurements were taken on the junior bulls.
10. Bulls were weighed on-test and vaccinated with (modified live IBR, PI³, BVD, BRSV, 5-way Leptospirosis), (Pasteurella haemolytica and Multocida) and (7-way Blackleg - Clostridials) vaccines.

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.
2. September - Bulls were weighed on-test and vaccinated with (modified live IBR, PI³, 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.

Genetic Defects:
All Angus, Balancer, Red Angus and Simangus bulls are free of the Arthrogryposis Multiplex (AM) and Neuropathic Hydrocephalus (NH) lethal genetic defects by pedigree or DNA test if there were potential carriers in their pedigrees.

Developmental Duplications Mutation (DD) - A genetic condition inherited as a simple recessive gene was reported recently (8/12/13). The condition can be effectively managed by strategic DNA testing and avoidance of breeding carrier females to carrier sires. Status of bulls in the sale will be denoted in the catalog below. DDF - indicates the animal is free of the mutation, DDC - indicates the animal is a carrier for the mutation, and DDP - indicates the animal is a potential carrier of the mutation.
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:
AgSouth Farm Credit - William Gable 864-226-8507 (Anderson, SC)
Z Tags - Stu Marsh - 1-800-511-4744
Boehringer Ingelheim Animal Health - Randy Fordham (Danielsville, GA)
Merial Animal Health - Steve McGill (Anderson, SC)
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 $1,800 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

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

Bulls will have approximately 1.5-2.5% **less** intramuscular fat than their steer-mates when fed a similar ration to a constant age.

<table>
<thead>
<tr>
<th>Breed</th>
<th>CED</th>
<th>BW</th>
<th>WW</th>
<th>Yrlg Wt</th>
<th>ME</th>
<th>RADG</th>
<th>Milk</th>
<th>Yrlg Height</th>
<th>Yrlg Scrotal</th>
<th>Marb</th>
<th>REA</th>
<th>$Beef</th>
<th>API</th>
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<td>0.81</td>
<td>0.49</td>
<td>0.45</td>
<td>84.61</td>
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<tr>
<td>Charolais</td>
<td>2.8</td>
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<td>24.6</td>
<td>43.5</td>
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<td>7.4</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gelbvieh</td>
<td>7</td>
<td>1.4</td>
<td>65.0</td>
<td>90.0</td>
<td></td>
<td>29</td>
<td></td>
<td>-0.19</td>
<td>0.44</td>
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<tr>
<td>Red Angus</td>
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<td>56</td>
<td>83</td>
<td>20</td>
<td>0.39</td>
<td>0.12</td>
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<td></td>
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<tr>
<td>Simmental</td>
<td>3.6</td>
<td>4.9</td>
<td>65.3</td>
<td>88.7</td>
<td>33.6</td>
<td>-0.12</td>
<td>0.39</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Bulls will have approximately 1.5-2.5% less intramuscular fat than their steer-mates when fed a similar ration to a constant age.
1. Tag No. = bull's test ear tag number.
2. Registered Name = bull's registered name.
3. Birth Date = actual birth date.
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 (in²) 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.

<table>
<thead>
<tr>
<th>PERFORMANCE RECORD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Tag No. = bull's test ear tag number.</td>
</tr>
<tr>
<td>2. Registered Name = bull's registered name.</td>
</tr>
<tr>
<td>3. Birth Date = actual birth date.</td>
</tr>
<tr>
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</tr>
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<td>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.</td>
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<td>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.</td>
</tr>
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<td>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.</td>
</tr>
<tr>
<td>15. REA EPD = ribeye area EPD (in²) 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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>
### 2015 Clemson Bull Test Consignors

#### Alexander Angus Farm
- Sac Alexander
- 340 Old Seneca Rd.
- Six Mile, SC 29682
- 864-506-4456
- Lots 6, 8, 26, 27, 81, 83, 84, 85

#### Oak Hill Farm
- Danny Winchester
- 134 Fox Hunt Lane
- Six Mile, SC 29682
- 864-637-8592
- winchesterd@bellsouth.net
- Lot 69

#### Creekside Farm
- Darrell Mitchell
- 7483 Cheather Ford Rd.
- Hiddenite, NC 28636
- 828-310-5327
- Lots 19, 51, 63

#### Black Grove
- Dixon Shealy
- 234 Looney Dr.
- Newberry, SC 29108
- 803-629-1174
- dixon_shealy@yahoo.com
- Lots 3, 4, 15

#### Shuffler Farm
- Eugene Shuffler
- 444 Union Grove Rd.
- Union Grove, SC 29689
- 704-876-9885
- resdvm@yadtel.net
- Lots 52, 53, 54, 55, 64, 65, 66, 67

#### Bridges Beef Cattle
- John Bridges
- 2032 Chatfield Rd.
- Shelby, NC 28150
- 704-692-2978
- bridgesbeefcattle@gmail.com
- Lots 2, 32, 33, 34

#### Primus Genetics
- Leonard W. Fussell
- 480 Vannoy Rd.
- Millers Creek, NC 28651
- 336-984-9643
- primus@buywikles.com
- Lots 39, 41, 43

#### Rice Farms
- Bob Rice
- 2001 McKelvey Rd.
- Fountain Inn, SC 29644
- 864-630-0871
- bgricefarms@gbay.com
- Lots 48, 50

#### Chimney Top Angus
- Steve Johnston
- 2210 Buffalo Rd.
- Johnson City, TN 37604
- 423-773-3396
- stevej@innovatemed.com
- Lots 16, 44, 46

#### Woodlawn Farms
- Rick Wood
- 453 Swain Wood Rd.
- Clarkesville, GA 30523
- 706-499-2325
- rick@snappyywash.com
- Lots 17, 18, 60, 61, 62

#### 3J Angus
- Carl Blanton
- 1559 Riverhill Dr.
- Shelby, NC 28152
- 704-472-2500
- sales@midatlanticsales.net
- Lots 21, 79, 80

#### MPAC Angus
- Marvin Zeigler
- P.O. Box 1005
- Bamberg, SC 29003
- 803-245-4850
- pmzeigler@oburg.net
- Lot 10

#### Misty Hill Farm
- Ricky Baumgarner
- 167 Heritage Dr.
- Walhalla, SC 29691
- 864-710-6832
- kamoon4@gmail.com
- Lots 22, 23

#### Hi-Son’s Farm LLC
- Gavin Hammett
- 160 Horse Hill Rd.
- Salem, SC 29676
- 928-499-5647
- grapeape575@hotmail.com
- Lots 24, 25

#### Paul Boyd Angus
- Neil Boyd
- 1631 Paul Boyd Rd.
- Clover, SC 29710
- 803-627-1131
- boydfire@comporium.net
- Lots 20, 74, 75

#### Nubbin Ridge Farms
- Mike King
- 155 Nubbin Ridge Circle
- Westminster, SC 29693
- 864-958-1343
- Lot 57

#### Grassy Knob Farms
- Nathan Souther
- 2823 West Memorial Hwy.
- Union Grove, NC 29689
- 704-902-9376
- Lots 86, 87, 88

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### SALE ORDER

<table>
<thead>
<tr>
<th>Sale Order</th>
<th>Tag</th>
<th>Gain Index</th>
<th>RFI Daily</th>
<th>Total Performance Ratio</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>75</td>
<td>8.25</td>
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<tr>
<td>2</td>
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<td>4</td>
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![Clemson Logo](image.png)
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**Performance**

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<tr>
<th>Trait</th>
<th>VALUE</th>
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<th>ADJ</th>
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<table>
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<tbody>
<tr>
<td>Williams Prophet 255-970</td>
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<tr>
<td>GAR Prophet</td>
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<td>Williams Erica 812 17210750</td>
<td>#Sitz Upward 307R</td>
<td>Callaways Erica 1302</td>
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**Performance**

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**Performance**

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<tbody>
<tr>
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<tr>
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<td>OCC Rear End 751R 14827139</td>
<td>OCC Dixie Erica 771R +Black Grove Chloe 694</td>
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**Performance**

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<td>119</td>
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<table>
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<th>Tattoo: 822</th>
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<tbody>
<tr>
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<tr>
<td>GAR Prophet</td>
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<tr>
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<td>CRA Bextor 872 5206 608</td>
<td>+GAR Objective 1885</td>
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</tr>
<tr>
<td>Chimney Top INC Lucy 236 17338538</td>
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**Performance**

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**Performance**

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<td>3.79</td>
<td>3.43</td>
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WOODLAWN TACOMA
Birth Date: 11-11-2014
Owner: Woodlawn Farms, Clarkeville, GA
KAPPIES L. MAN U291
2450050
JL CHANCE NITA Y351
282650
EPDs
CED
BWT
WWT
YWT
MILK
13.8  13.6  0.19  0.35  75  0.31  116.5  0.21  21.2  0.16
MARB
RE
ST
API
TI
0.43  0.2  0.6  0.19  15.9  0.1  144.2  0.85
PERFORMANCE
TRAIT
BWT
AWWT
ON WT
OFF-HIT
OFF-WT
TEST ADG
TEST WDA
VALUE
68  658  892  51  1297.5  3.62  3.29
RATIO
102
102
ADJ 365 YEARLING
TRAIT
UIRMP
UREA
UFAT
AVHT
FS
AYSC
AYWT
RFI Daily
VALUE
3.48  13.3  0.22  51.0  5.6  33.40  1210  -1.34
RATIO
103

HUGO
Birth Date: 12-9-2014
Owner: Woodlawn Farms, Clarkeville, GA
SimAngus/JR
EPDs
CED
BWT
WWT
YWT
MILK
11.2  0.09  0.9  0.15  64.5  0.09  103.4  0.09  22.4  0.09
MARB
RE
ST
AJR
100  11
0.48  0.14  0.6  0.14  130.7  73.2
PERFORMANCE
TRAIT
BWT
AWWT
ON WT
OFF-HIT
OFF-WT
TEST ADG
TEST WDA
VALUE
68  667  762  51  1142.5  3.40  3.12
RATIO
0  99  97
ADJ 365 YEARLING
TRAIT
UIRMP
UREA
UFAT
AVHT
FS
AYSC
AYWT
RFI Daily
VALUE
3.04  14.8  0.39  51.0  6.0  41.90  1155  -6.86
RATIO
98

CSF EB64 Upshot of CTR1
Birth Date: 11-2-2014
Owner: Creekside Farm, Haddonite, NC
Angus/JR
EPDs
CED
BWT
WWT
YWT
RADG
YHT
+4  28  +3.8  0.36  +83  27  +109  21  +3.23  0.05  +1.48  0.05
-4  69  +31  1.59  +58  0.5  +61.59  +127.92
PERFORMANCE
TRAIT
BWT
AWWT
ON WT
OFF-HIT
OFF-WT
TEST ADG
TEST WDA
VALUE
87  823  950  54  1350  3.48  3.35
RATIO
119  106
ADJ 365 YEARLING
TRAIT
UIRMP
UREA
UFAT
AVHT
FS
AYSC
AYWT
RFI Daily
VALUE
4.05  11.7  0.34  53.0  7.0  35.25  1261  1.28
RATIO
100

P B 9B2 Rito 265
Birth Date: 11-12-2014
Owner: Paul Boyd Angus, Clover, SC
EPDs
CED
BWT
WWT
YWT
RADG
YHT
+6  35  +1.6  0.43  +56  0.31  +99  0.29  +23  0.32  +.5  .34
+54  36  +22  0.20  +70  0.30  +55  0.22  +83  0.39  +131.83
PERFORMANCE
TRAIT
BWT
AWWT
ON WT
OFF-HIT
OFF-WT
TEST ADG
TEST WDA
VALUE
82  589  669  50.5  1177.5  4.00  2.96
RATIO
102  102
ADJ 365 YEARLING
TRAIT
UIRMP
UREA
UFAT
AVHT
FS
AYSC
AYWT
RFI Daily
VALUE
3.34  12.4  0.36  50.2  5.6  35.08  1085  -2.95
RATIO
100

3J 908 878 1214
Birth Date: 12-11-2014
Owner: JH Angus, Shelby, NC
EPDs
CED
BWT
WWT
YWT
RADG
YHT
I+4  0.05  I+23  0.05  I+37  0.05  I+72  0.05  N/A  N/A  N/A  N/A
YSC
MARB
RE
SWEEAN
BEEF
N/A  N/A  N/A  N/A  N/A  N/A  N/A  +31.09  N/A
PERFORMANCE
TRAIT
BWT
AWWT
ON WT
OFF-HIT
OFF-WT
TEST ADG
TEST WDA
VALUE
75  713  630  52  1197.5  3.28  3.29
RATIO
100  104
ADJ 365 YEARLING
TRAIT
UIRMP
UREA
UFAT
AVHT
FS
AYSC
AYWT
RFI Daily
VALUE
6.43  13.8  0.30  52.0  6.5  34.03  1156  0.49
RATIO
100

MISTY HILL C TENDERLOIN
Birth Date: 12-8-2014
Owner: Misty Hill Farm, Walhalla, SC
Balance/JR
EPDs
CED
BWT
WWT
YWT
MILK
18  0.12  -1.7  0.22  59  0.15  104  0.25  16  0.10
4  0.01  -0.28  0.22  0.75  0.51  0.16  0.21  87.20
PERFORMANCE
TRAIT
BWT
AWWT
ON WT
OFF-HIT
OFF-WT
TEST ADG
TEST WDA
VALUE
75  727  695  51  1132.5  2.02  2.95
RATIO
97  99
ADJ 365 YEARLING
TRAIT
UIRMP
UREA
UFAT
AVHT
FS
AYSC
AYWT
RFI Daily
VALUE
5.02  12.6  0.25  0.22  5.9  33.40  1045  99
RATIO
99

February 6, 2016
### GE-EPDs

**Balancer/JR**

Owner: Misty Hill Farm, Walhalla, SC

- **LZY TV BEECH JET R052ET** (AMGV1954375)
- **MYTTY IN FOCUS** (AMGV1139944)

**Yield**

<table>
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<th>Age</th>
<th>Value</th>
<th>UIMF</th>
<th>UREA</th>
<th>UFAT</th>
<th>UMP</th>
<th>MB</th>
<th>REA</th>
<th>Value</th>
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**Performance**

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<th>UREA</th>
<th>UFAT</th>
<th>UMP</th>
<th>MB</th>
<th>REA</th>
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### SOF Yon Freightliner C54B

**Anqus/JR**

Owner: Hi-Son's Farm LLC, Salem, SC

- **Yon Freightliner T77** 15762786
- **Spanish Oaks V DARling R54B** 10257651

**Yield**

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### A F Final Answer 137

**Anqus/JR**

Owner: Alexander Angus Farm, Six Mile, SC

- **SAV Final Answer 0035** 15761590
- **Spanish Oaks V DARling R54B** #VDAR Legend 1281

**Yield**

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### SOF Yon Freightliner C2A

**Anqus/JR**

Owner: Hi-Son's Farm LLC, Salem, SC

- **Yon Freightliner T77** 15762786
- **Deercreek Evergreen D2** 15567880

**Yield**

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### A F Final Answer 138

**Anqus/JR**

Owner: Alexander Angus Farm, Six Mile, SC

- **SAV Final Answer 0035** 15761590
- **Spanish Oaks V DARling R54B** #VDAR Legend 1281

**Yield**

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# BBC Ten X 411

**Angus/SR**

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# BBC Consensus 412

**Angus/SR**

Owner: Bridges Beef Cattle, Shelby, NC

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# BBC Upshot 413

**Angus/SR**

Owner: Bridges Beef Cattle, Shelby, NC

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# Williams Prophet 667-200

**Angus/SR**

Owner: Williams Angus, Gray, TN

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# Williams Upward 811

**Angus/SR**

Owner: Williams Angus, Gray, TN

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**February 6, 2016**
### Williams Prophet 211-554

**Birth Date:** 9-4-2014  
**Owner:** Williams Angus, Gray, TN  
**Tattoo:** 4554

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#### Performance

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#### Adj 365 Yearling

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### Primus Ten X 1437

**Birth Date:** 9-2-2014  
**Owner:** Primus Genetics, Millers Creek, NC  
**Tattoo:** 1437

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### Primus Upward 1453

**Birth Date:** 9-3-2014  
**Owner:** Primus Genetics, Millers Creek, NC  
**Tattoo:** 1453

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### Chimney Top Prophet B21

**Birth Date:** 9-5-2014  
**Owner:** Chimney top Angus, Johnson City, TN  
**Tattoo:** B21

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### Chimney Top Ten X B53

**Bull:** 17980860

**Owner:** Chimney Top Angus, Johnson City, TN

**Birth Date:** 10-29-2014

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### Final Product Rice Farms 40

**Owner:** Rice Farms, Fountain Inn, SC

**Birth Date:** 10-12-2014

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### Final Product Rice Farms 42

**Owner:** Rice Farms, Fountain Inn, SC

**Birth Date:** 10-29-2014

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### CSF EB23 Upshot of 376R

**Owner:** Creekside Farm, Hiddenite, NC

**Birth Date:** 9-4-2014

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<td>CED</td>
<td>BWT</td>
<td>WWT</td>
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<tr>
<td>Value</td>
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<td>743</td>
<td>1055</td>
</tr>
<tr>
<td>Ratio</td>
<td>107</td>
<td>103</td>
<td>103</td>
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### SFA DB22 Vision of AX55

**Owner:** Shuffler Farm, Union Grove, NC

**Birth Date:** 9-4-2014

<table>
<thead>
<tr>
<th>Trait</th>
<th>EPDs</th>
<th>Performance</th>
<th>Adj 365 Yearling</th>
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</thead>
<tbody>
<tr>
<td>Evaluation</td>
<td>CED</td>
<td>BWT</td>
<td>WWT</td>
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<tr>
<td>Ratio</td>
<td>111</td>
<td>106</td>
<td>105</td>
</tr>
</tbody>
</table>

---

**February 6, 2016**
### SFA CB34 Chisum of AW38
**Owner:** Shuffler Farm, Union Grove, NC
**Birth Date:** 9-8-2014
**Bull:** 18125352
**Tattoo:** CB34

**EPDs**
- Bwt: +0.39
- Wwt: +2.2
- Ywt: +2.37
- Radg: +0.38
- Hwt: +1.21

**Talent**
- Trait: 88
- Awwt: 743
- Onwt: 1067.5
- Off-wt: 59
- Test: 1527.3
- Test: 4.11
- Test: 3.34

**Value**
- Total: 107
- Ratio: 107 / 104

**ADJ 365 Yearling**
- Trait: 2.00
- Value: 15.1
- Umf: 0.30
- Urea: 50.6
- Fetal: 5.8
- Ayht: 38.35
- Aywth: 1209
- Rfi: 5.58

**Value**
- Total: 92
- Ratio: 92 / 93

### SFA CB40 Chisum of M103
**Owner:** Shuffler Farm, Union Grove, NC
**Birth Date:** 9-12-2014
**Bull:** 18125366
**Tattoo:** CB40

**EPDs**
- Bwt: +1.38
- Wwt: +2.8
- Ywt: +5.34
- Radg: +0.38
- Hwt: +1.21

**Talent**
- Trait: 85
- Awwt: 679
- Onwt: 895
- Off-wt: 53
- Test: 1347.5
- Test: 4.17
- Test: 3.07

**Value**
- Total: 101
- Ratio: 101 / 104

**ADJ 365 Yearling**
- Trait: 2.00
- Value: 15.1
- Umf: 0.30
- Urea: 50.6
- Fetal: 5.8
- Ayht: 38.35
- Aywth: 1209
- Rfi: 5.58

**Value**
- Total: 92
- Ratio: 92 / 93

### SFA DB61 Vision of IW57
**Owner:** Shuffler Farm, Union Grove, NC
**Birth Date:** 10-30-2014
**Bull:** 18125421
**Tattoo:** DB61

**EPDs**
- Bwt: +6.37
- Wwt: +1.34
- Ywt: +62.33
- Radg: +11.65
- Hwt: +6.36

**Talent**
- Trait: 90
- Awwt: 770
- Onwt: 972
- Off-wt: 63
- Test: 1452.5
- Test: 4.29
- Test: 3.58

**Value**
- Total: 111
- Ratio: 111 / 112

**ADJ 365 Yearling**
- Trait: 3.63
- Value: 15.5
- Umf: 0.51
- Urea: 51.5
- Fetal: 6.2
- Ayht: 35.51
- Aywth: 1268
- Rfi: 0.49

**Value**
- Total: 110
- Ratio: 110
### SimAngus/SR

**SFS CRIMSON TIDE CSB44**  

- **Owner:** Creekside Farm, Hiddenite, NC  
- **Birth Date:** 9-18-2014  
- **Bull:** 2962555  
- **Tattoo:** CSB44

**EPDs**

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<th>MILK</th>
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<tr>
<td>BWT</td>
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<tr>
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<tr>
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**Performance**

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<tr>
<th>Trait</th>
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<th>AWWT</th>
<th>OFF-WT</th>
<th>OFF-WT</th>
<th>TEST ADG</th>
<th>TEST WDA</th>
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**AdJ 365 Yearling**

<table>
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<tr>
<th>Trait</th>
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<th>UREA</th>
<th>UFAT</th>
<th>URMP</th>
<th>AYHT</th>
<th>FS</th>
<th>AYSC</th>
<th>AYWT</th>
<th>RFI Daily</th>
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<tbody>
<tr>
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### SimAngus/SR

**SFS RAISINCAIN B35**  

- **Owner:** Shuffler Farms, Union Grove, NC  
- **Birth Date:** 9-9-2014  
- **Bull:** 2962560  
- **Tattoo:** SFB35

**EPDs**

<table>
<thead>
<tr>
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<th>MILK</th>
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<tr>
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**Performance**

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<thead>
<tr>
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<th>AWWT</th>
<th>OFF-WT</th>
<th>OFF-WT</th>
<th>TEST ADG</th>
<th>TEST WDA</th>
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<tbody>
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<td>VALUE</td>
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**AdJ 365 Yearling**

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<th>UFAT</th>
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### SimAngus/SR

**SFS RAISINCAIN B20**  

- **Owner:** Shuffler Farms, Union Grove, NC  
- **Birth Date:** 9-3-2014  
- **Bull:** 2962562  
- **Tattoo:** SFB20

**EPDs**

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**Performance**

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<th>AWWT</th>
<th>OFF-WT</th>
<th>OFF-WT</th>
<th>TEST ADG</th>
<th>TEST WDA</th>
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<tbody>
<tr>
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**AdJ 365 Yearling**

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<thead>
<tr>
<th>Trait</th>
<th>UIMF</th>
<th>UREA</th>
<th>UFAT</th>
<th>URMP</th>
<th>AYHT</th>
<th>FS</th>
<th>AYSC</th>
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</table>
### A F Pioneer 125

**Birth Date:** 9-13-2014  
**Bull:** 18168900  
**Tattoo:** 125

- **Owner:** Alexander Angus Farm, Six Mile, SC
- **Sire:** SAV Pioneer 7301
- **EPDs:**
  - $+2.05 +2 +.49 +.24 +3.63 +128.78$

### A F Brillienc 126

**Birth Date:** 9-13-2014  
**Bull:** 18168909  
**Tattoo:** 126

- **Owner:** Alexander Angus Farm, Six Mile, SC
- **Sire:** SAV Brillienc 8077
- **EPDs:**
  - $+5.31 +2.2 +.26 +.52 +4.31 +1.27 +57.26 +87.81$

---

### 3 J 1100 of 412 1114

**Birth Date:** 10-15-2014  
**Bull:** 19102650  
**Tattoo:** 1114

- **Owner:** J & A Angus, Shelby, NC
- **Sire:** H & H Rita of 0519 878
- **EPDs:**
  - $+108.78 +112.83$

---

### 3 J 1210 Power Tool A914

**Birth Date:** 9-2-2014  
**Bull:** 18094969  
**Tattoo:** A914

- **Owner:** J & A Angus, Shelby, NC
- **Sire:** PA Power Tool 9108
- **EPDs:**
  - $+48.8 +53 +.27 +.88$

---

### 3 J 912 Power Tool A914

**Birth Date:** 9-2-2014  
**Bull:** 18094969  
**Tattoo:** A914

- **Owner:** J & A Angus, Shelby, NC
- **Sire:** PA Power Tool 9108
- **EPDs:**
  - $+108.78 +112.83$

---

### 3 J 1100 of 412 1114

**Birth Date:** 10-15-2014  
**Bull:** 19102650  
**Tattoo:** 1114

- **Owner:** J & A Angus, Shelby, NC
- **Sire:** H & H Rita of 0519 878
- **EPDs:**
  - $+108.78 +112.83$

---

### A F Pioneer 131

**Birth Date:** 9-24-2014  
**Bull:** 18168911  
**Tattoo:** 131

- **Owner:** Alexander Angus Farm, Six Mile, SC
- **Sire:** SAV Pioneer 7301
- **EPDs:**
  - $+5.31 +2.2 +.26 +.52 +4.31 +1.27 +57.26 +87.81$
### Primus Vindicator 1478
**Birth Date:** 10-5-2014  
**Breeder:** Grassy Knob Farms, Union Grove, NC

<table>
<thead>
<tr>
<th>EPDs</th>
<th>CED</th>
<th>BWT</th>
<th>AWWT</th>
<th>ON WT</th>
<th>OFF-HT</th>
<th>OFF-WT</th>
<th>TEST ADG</th>
<th>TEST WDA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>+1.1</td>
<td>.34</td>
<td>+46</td>
<td>+65</td>
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<tr>
<td>YHT</td>
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<tr>
<th>PERFORMANCE</th>
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<tbody>
<tr>
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<tr>
<td>OFF-HT</td>
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### Primus In Focus 1483
**Birth Date:** 10-9-2014  
**Breeder:** Grassy Knob Farms, Union Grove, NC

<table>
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<tr>
<th>EPDs</th>
<th>CED</th>
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<th>AWWT</th>
<th>ON WT</th>
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<th>TEST ADG</th>
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<tbody>
<tr>
<td></td>
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<table>
<thead>
<tr>
<th>PERFORMANCE</th>
<th>VALUE</th>
<th>RATIO</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>OFF-HT</td>
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<td>89</td>
</tr>
</tbody>
</table>

---

**Primus Vindicator 1478**  
**Owner:** Grassy Knob Farms, Union Grove, NC

**EPDs**  
- CED: +2.26  
- BWT: +1.1  
- AWWT: +46  
- ON WT: +65  
- OFF-HT: 23  
- OFF-WT: N/A  
- TEST ADG: +1.32  
- TEST WDA: N/A

**Performance**  
- BWT: 72  
- OFF-HT: 96

---

**Primus In Focus 1483**  
**Owner:** Grassy Knob Farms, Union Grove, NC

**EPDs**  
- CED: +1.6  
- BWT: +1.9  
- AWWT: +60  
- ON WT: +101  
- OFF-HT: +26  
- OFF-WT: N/A  
- TEST ADG: +1.32  
- TEST WDA: N/A

**Performance**  
- BWT: 72  
- OFF-HT: 96

---

**RITED**  
**Owner:** Grassy Knob Farms, Union Grove, NC

**EPDs**  
- CED: +1.6  
- BWT: +1.9  
- AWWT: +60  
- ON WT: +101  
- OFF-HT: +26  
- OFF-WT: N/A  
- TEST ADG: +1.32  
- TEST WDA: N/A

**Performance**  
- BWT: 72  
- OFF-HT: 96

---

**Performance**  
- BWT: 72  
- OFF-HT: 96

---

**Performance**  
- BWT: 72  
- OFF-HT: 96
T. Ed Garrison Livestock Arena

Box 340322, Clemson University
Clemson, SC 29634-0322

(864) 646-2717 Fax (864) 646-3362
2016 CLEMSON HEIFER SALE

20 Open, Yearling Heifers
Immediately Following the Bull Sale

Saturday • February 6, 2016 • Noon

Garrison Livestock Arena - Cattle Complex - Clemson, South Carolina
(3 miles East of Clemson on US Hwy 76 - Watch for Sign)