

## **2008-09 VIRGINIA BEEF CATTLE IMPROVEMENT ASSOCIATION CENTRAL BULL TEST STATION SUMMARY**

Prepared by: Scott P. Greiner, Extension Animal Scientist, Beef  
Virginia Tech, Blacksburg, Virginia

Central bull testing programs for the performance evaluation and marketing of Virginia Beef Cattle Improvement Association member's bulls were carried out at two test stations located at Culpeper and in Southwest Virginia during the test season 2008-09. Two test groups were developed at each location, and a total of three sales held.

### **I. CULPEPER**

This was the 51<sup>st</sup> consecutive year of evaluating bulls at the Culpeper station. Virginia BCIA contracted with Glenmary Farm at Rapidan, Virginia to furnish development facilities, and provide complete care and management for a Senior and Junior group of bulls, as well as Custom tested bulls. The Culpeper Senior Bull sale was held at the Culpeper Agricultural Enterprises at Culpeper, Virginia. The Culpeper Junior Bulls were sold in an informal format at Glenmary Farm in Rapidan, VA. Virginia BCIA handled consignments, set rules, regulations and performance standards and certified records, and generally supervised the tests and sales, utilizing a committee composed of: Peter Henderson (Chair), Tommy Clark, Kevin Fleenor, Jerry Gustin, Dennis Pearson, Steve Hopkins, Tom Nixon, Charles Rosson, Carl Stafford, Jim Tate, John Wilkins, and Jim Wylie.

#### **(1) THE BULLS AND THE MANAGEMENT**

Twenty-seven Virginia BCIA members including: 20 Virginia, 4 Maryland, 1 West Virginia, 1 District of Columbia and 1 North Carolina breeders tested bulls. Ninety eight total Senior bulls (calved Aug. 15 to Nov. 30, 2007) were delivered to Glenmary Farms July 1, went on 112 day test July 14 & 15 and came off test November 3 & 4, 2008. Fifty eight Junior bulls (calved Dec. 1, 2007 to March 31, 2008) were delivered November 3 and went on 112 day test on November 17 & 18, 2008 and came off test March 9 & 10, 2009. Bulls accepted for test were required to have a WDA of 2.5 pounds at delivery (with allowable shrink), and have a minimum YW EPD based on breed (Virginia Quality Assured Feeder Calf Program genetic standards). Each bull had a negative Brucellosis and TB test or was from a certified and accredited herd (Virginia bulls not required to have TB test), negative anaplasmosis test, negative PI BVD test, and was inoculated for Clostridial diseases, IBR, PI3, BVD, BRSV, and Haemophilus Somnus before delivery. Bulls were vaccinated for IBR, PI3, BVD, Clostridial diseases, BRSV, Pasturella, Haemophilus Somnus, and were dewormed upon delivery. Bulls eligible for sale had to have a minimum gain ratio of 80, a minimum yearling weight ratio of 90, a minimum frame score of 5.0, and meet minimum YW EPD requirements as specified by the Virginia Quality Assured Feeder Calf Program. Bulls were required to pass a breeding soundness exam for sale eligibility (including semen evaluation for Senior bulls). A three-person committee evaluated all bulls in each group completing test for structural soundness. Bulls found to be unacceptable structurally were not sold. Additionally, a portion of the Junior Angus bulls (based on ancestral risk) were DNA-genotyped for Arthrogyposis Multiplex during the test, and all AMC bulls removed from sale eligibility (test was not commercially available for Senior Test bulls). Coat color genotype was performed on Gelbvieh and Simmental bulls as needed. Approximately 60% of the bulls in each group were sold. A Sale Index comprised of 2/3 station index (station index = 2/3 yearling weight ratio + 1/3 test ADG ratio) and 1/3 average EPD percentile was used to eliminate additional bulls to arrive at the number eligible for the sale. A portion of the bulls not qualifying for the sale were sold for slaughter at the conclusion of each test.

The custom test option offered breeders an opportunity to test and develop bulls that would be taken home and marketed privately, while maintaining contemporary groups with their sale bulls. Protocol for the management and development of custom test bulls was identical to those above. Two Virginia BCIA members delivered 3 Senior Custom test bulls. Off-test procedures were identical to those for the Senior bulls. Consignment fees, insurance, feed and medical costs were charged as for Senior bulls.

(2) **RATIONS**

Rations were formulated in cooperation with Virginia Tech Extension Animal Scientists. The feed was furnished by Glenmary Farm (raised or purchased). Feed ingredients were charged at cost, plus a mark-up per ton of finished feed. Rations were formulated to contain 70% TDN and 14% crude protein (dry basis). Bulls were fed daily in fence-line feed bunks.

The following ingredients comprised the majority of the Senior and Junior rations: corn silage, corn grain, corn gluten feed, barley grain, hominy, earlage, and candy meal. Ingredients were included based on availability and price. Rations were monitored and adjusted based on results of sample analysis conducted on a periodic basis during the feeding period. Chlortetracycline was fed during the warm-up period. A complete mineral containing an ionophore was included in the total mixed rations.

(3) **PERFORMANCE EVALUATION**

Bulls were weighed at 56 days and each successive 28 days. Ultrasound evaluation for fat thickness, ribeye area and percent intramuscular fat was conducted near the end of each test. All ultrasound data was processed through a centralized ultrasound processing laboratory and submitted to respective breed associations. At the end of the test bulls were weighed, measured for hip height, evaluated for structural soundness, and had a breeding soundness exam (Senior bulls included a semen evaluation). At the end of the tests, 34 Senior and 29 Junior bulls were removed from the sale groups based on failure to meet one or more minimum performance standards, soundness criteria, or were retained for home use.

**AVERAGE PERFORMANCE BY AGE AND BREED**  
**CULPEPER 2008-09**

CULPEPER SENIOR (112 Day)	Weaning	Test						Ultrasound		
	Adj. WW	Final Wt.	ADG	Adj YW	WDA	Frame Score	Scrotal Cir.	365-d Fat th.	365-d REA	365-d %IMF
87 Angus	704	1317	3.95	1211	3.25	5.8	37.0	0.33	13.3	3.90
3 Gelbvieh Bal.	727	1388	3.82	1320	3.52	6.2	37.8	0.27	14.3	3.10
1 Hereford	605	1380	3.44	1205	3.21	6.0	35.0	0.35	11.9	3.25
1 Simmental	708	1410	3.39	1295	3.53	6.6	43.5	0.28	17.0	2.69
92 Seniors	704	1321	3.93	1215	3.26	5.8	37.0			

CULPEPER JUNIOR (112 Day)	Weaning	Test						Ultrasound		
	Adj. WW	Final Wt.	ADG	Adj YW	WDA	Frame Score	Scrotal Cir.	365-d Fat th.	365-d REA	365-d %IMF
39 Black Angus	698	1208	3.75	1155	3.09	6.0	36.8	0.28	12.0	4.93
17 Red Angus	495	849	2.74	831	2.21	4.4	32.5	0.22	8.6	4.58
56 Juniors	637	1099	3.44	1057	2.82	5.6	36.7			

CULPEPER CUSTOM SENIOR (112 Days)	Weaning	Test					
	Adj. WW	Final Wt.	ADG	Adj YW	WDA	Frame Score	Scrotal Cir.
3 Angus	747	1382	3.84	1208	3.18	5.8	35.5

(4) **SALE RESULTS**

The Senior sale was held December 13, 2008 at Culpeper Ag Enterprises and the Junior sale was held April 3, 2009 at Glenmary Farm. The Senior sale was a conducted in a traditional format, whereas the Junior sale was an informal auction with bidding initiated at a published base price. Both sales were managed by Virginia BCIA.

All pertinent information was published in the sale catalog, including: BW/ratio, WW/ratio, test YW/ratio, test ADG/ratio, off-test weight, frame score, scrotal circumference, adjusted carcass ultrasound measurements/ratios, CED EPD, BW EPD, WW EPD, YW EPD, MCE EPD, MM EPD, SC EPD, Ultrasound/Carcass EPDs for fat thickness, REA, IMF/marbling, and yield grade; bioeconomic index EPDs (available for each breed), EPD percentiles (for BW, WW, MM, YW), birth date, two-generation pedigree, sire EPDs/accuracies, dam EPDs, dam WW record, horned/pollled/scurred status, coat color genotype, AM genotype, and registration/consignor information.

A minimum floor price of \$1200 was established for the Senior sale, and all bulls sold at or above the floor price, Junior bulls had base prices of \$1800 (5), \$1500 (12) or \$1200 (10). There were 6 (all Angus) no-sales in the Junior sale (1 @ \$1500 base price, 5 @ \$1200 base price). A total of 3 Senior Angus and 3 Junior Angus bulls sold out of state: Seniors: 1 TN, 2 WV Juniors: 3 MD.

The Junior sale included guest consignment of 2-year old cows with spring calves at side and bred heifers from Glenmary Farm. The heifers sold immediately following the bulls. Sale expenses were shared with the bulls.

**SALE RESULTS – CULPEPER 2008-09**

**SENIOR BULLS**

<u>NUMBER</u>	<u>BREED</u>	<u>GROSS</u>	<u>AVERAGE</u>
47	Angus	\$95,800	\$2,038
3	Gelbvieh Bal.	\$8,000	\$2,667
1	Hereford	\$1,300	\$1,300
<b>51</b>		<b>\$105,100</b>	<b>\$2,061</b>

**JUNIOR BULLS**

<u>NUMBER</u>	<u>BREED</u>	<u>GROSS</u>	<u>AVERAGE</u>
20	Angus	\$31,850	\$1,593
1	Red Angus	\$1,500	\$1,500
<b>21</b>		<b>\$33,350</b>	<b>\$1,588</b>

(5) **PROGRAM COSTS**

Consignors paid Glenmary Farm \$150 per bull at delivery as feed cost deposit. All other expenses for testing and sales were deducted or billed for after the sale. Of the \$45.00 per head consignment fee, \$10 went to a BCIA self-insurance fund for indemnity on bulls which die while on test and pays the consignor the value of the bull as a feeder calf at delivery, and \$3 went for \$1,000 mortality insurance coverage against fire, lightning, wind, etc. The remaining \$32.00 went to BCIA for program management. Test costs included feed costs, yardage charged at \$0.50 per head per day, actual medical cost charged on an individual bull basis, and ultrasound fees at cost. Sale cost was charged on bulls selling as a percentage of sale price. Post test costs were charged on a per head per day basis to cover feed and yardage after the completion of the test. Sale preparation charges included labor fee (\$30), plus charges for hauling and freeze branding. Brucellosis, TB, and anaplasmosis testing fees were charged at cost on sale bulls. Sale costs (advertising, catalog, ring help, etc.) were charged at cost as a percentage of the gross. Discounts of \$50 per bull were available to buyers purchasing three or more bulls, and this was included as a sale cost. Virginia BCIA received 3.0% of the sale gross for sale management services. Culpeper Agricultural Enterprises, Inc. was paid a flat fee for use of their facility and this was considered a sale cost. Heifers selling in the Junior sale contributed to payment of sale expenses.

**AVERAGE TEST AND SALE COST (BULLS SOLD)**

per head basis

		<b>Culpeper Sr.</b>	<b>Culpeper Jr.</b>
<b><u>EXPENSES 2008-09</u></b>			
<b><u>Test Costs</u></b>			
Feed		\$375.78	\$259.21
Yardage (test days on feed)		63.00 (112)	63.00 (112)
Medical, Eartags, Processing		42.20	30.08
Ultrasound		14.42	15.97
Consignment Fee		45.00	45.00
<b>Total Test Costs</b>		<b>\$540.30</b>	<b>\$413.26</b>
<b><u>Post-Test &amp; Sale Costs</u></b>			
Post Test Feed/Yardage (days)		76.00 (25)	46.00 (24)
Sale Preparation Fee		36.25	36.75
Blood Tests		13.48	21.50
Sale Expenses*		253.09 (12.28%)	151.18 (9.52%)
Transfer Fee, Checkoff, etc.		9.45	9.48
<b>Total Post Test &amp; Sale Costs</b>		<b>\$388.27</b>	<b>\$264.91</b>
<b>Grand Total Costs</b>	<b>2008-09</b>	<b>\$928.57</b>	<b>\$678.17</b>
<b>Total Costs</b>	2007-08	\$754	\$800
<b>Test/Sale (Sale Exp %)</b>	2006-07	\$460/\$294 (11.6%)	\$436/\$364 (11.6%)
	2006-07	\$709	\$705
	2005-06	\$427/\$282 (9.7%)	\$412/\$293 (10.6%)
	2005-06	\$717	\$711
	2004-05	\$407/\$310 (8.3%)	\$394/\$317 (10.1%)
	2004-05	\$704	\$664
	2003-04	\$396/\$308(8.2%)	\$368/\$297(8.6%)
	2003-04	\$677	\$716
		\$377/\$299(9.1%)	\$402/\$315(10.0%)
<b>Sale Average</b>	<b>2008-09</b>	<b>\$2,061</b>	<b>\$1,588</b>
	2007-08	\$1,777	\$1,703
	2006-07	\$1,979	\$1,963
	2005-06	\$2,449	\$2,105
	2004-05	\$2,597	\$2,375
	2003-04	\$2,125	\$2,081
<b>Consignor Net</b>	<b>2008-09</b>	<b>\$1,132 (55%)</b>	<b>\$910 (57%)</b>
<b>(% of sale price)</b>	2007-08	\$1,023 (58%)	\$903 (53%)
	2006-07	\$1,270 (64%)	\$1,258 (64%)
	2005-06	\$1,736 (71%)	\$1,394 (66%)
	2004-05	\$1,893 (73%)	\$1,710 (72%)
	2003-04	\$1,447 (68%)	\$1,364 (66%)

\*Sale Expenses include fees charged as percentage of sale gross (sale management 3.0%, auctioneer 1.0%) and expenses charged at cost (catalog printing/postage, advertising, ringmen, sale labor, multiple bull purchase discounts, etc.).

## II. SOUTHWEST

Virginia BCIA contracted with Tim Sutphin- Hillwinds Farm at Dublin, Virginia to furnish development facilities, and provide complete care and management for a Senior and Junior group of bulls, as well Custom tested bulls for the Southwest Bull Test Station. This was the 30<sup>th</sup> year of operation for the Southwest station, and the fourth year the bulls had been fed at Hillwinds Farm. The sale was held at the Umberger sale facility located at Wytheville. Virginia BCIA handled consignments, set rules, regulations and performance standards and certified records, and generally supervised the tests and sales, utilizing a committee composed of: Matthew Miller (Chair), Jim Atwell, Jason Cassell, Tom Clark, Duane Farthing, Buster Hounshell, Doug Hughes, Freddie Mullins, Leo Muncy, Jason Pratt, Ann Rambo, and Tim Sutphin.

### (1) THE BULLS AND THE MANAGEMENT

Forty nine Virginia BCIA members, including breeders from Virginia (40), Tennessee (6), West Virginia (1), and North Carolina (2) tested bulls in the Senior and Junior tests. One hundred five bulls for the Senior test (calved October 1 to December 31, 2007), were delivered on October 7 went on test October 20 & 21, 2008 and came off test on February 9 & 10, 2009. One hundred nine Junior bulls (calved January 1 to March 31, 2008) were also delivered on October 7 went on test October 20 & 21, 2008 and came off test on March 2 & 3, 2009. Senior and Junior bulls were sold together on March 28, 2009. Minimum entry and sale requirements as well as the health program were identical to Culpeper. Breeding soundness exams for Senior bulls included semen evaluation (Junior bulls exam only). A three-person committee evaluated all bulls in each group completing test for structural soundness. Bulls found to be unacceptable structurally were not sold. Additoinally, a portion of the Angus and Angus-influenced bulls (based on ancestral risk) were DNA-genotyped for Arthrogryposis Multiplex during the test, and all AMC bulls removed from sale eligibility. Coat color genotyping was performed on Gelbvieh and Simmental bulls as needed. The top 2/3 of the bulls in each test group were sold. A portion of the bulls not qualifying for the sale were sold through a terminal market. One breeder consigned four Junior custom test bulls.

### (2) RATIONS

A custom-formulated diet was secured from a commercial manufacturer. The ration was provided through self-feeders. The ration was formulated to contain 65% TDN and 14% crude protein (dry basis). The main ration consisted of the following primary ingredients: cottonseed hull pellets, corn gluten feed, wheat midds, peanut hulls, soy hulls, corn, dry distillers grains, and mineral-vitamin mix. An ionophore was included in the ration. Feed was charged at delivered cost, plus a mark-up per ton of finished feed.

### (3) PERFORMANCE

Bulls were weighed at 56 days and each 28 days thereafter. On and off-test weights were the average of two consecutive day's weights. Procedures for handling performance were the same as for Culpeper. At the end of the test, 31 Seniors and 29 Juniors were removed from the sale group and were eliminated on failure to meet one or more minimum performance standards, soundness criteria, or were retained for home use.

#### AVERAGE PERFORMANCE BY AGE AND BREED SW VIRGINIA 2008-09

SW VIRGINIA SENIOR (112 Day)	Weaning	Test						Ultrasound		
	Adj. WW	Final Wt.	ADG	Adj YW	WDA	Frame Score	Scrotal Cir.	365-d Fat th.	365-d REA	365-d %IMF
76 Angus	709	1445	3.90	1171	3.11	6.1	38.7	0.25	12.7	3.90
2 Charolais	534	1310	4.33	1128	3.06	7.0	35.5	0.13	11.0	2.70
3 Gelbvieh		1283	3.26	1025	2.15	6.1	38.0		12.2	1.92
5 Gelbvieh Bal.	652	1218	3.92	1074	2.91	6.0	37.4	0.15	11.1	2.95
13 Simmental	700	1372	3.97	1098	2.94	6.2	38.8	0.16	12.5	2.6
6 Simm. Hybrid	653	1563	3.79	1193	3.12	6.2	39.8	0.23	13.3	3.33
<b>105 Seniors</b>	<b>698</b>	<b>1425</b>	<b>3.89</b>	<b>1154</b>	<b>3.07</b>	<b>6.2</b>	<b>38.6</b>			

SW VIRGINIA JUNIOR (133 Day)	Weaning	Test						Ultrasound		
	Adj. WW	Final Wt.	ADG	Adj YW	WDA	Frame Score	Scrotal Cir.	365-d Fat th.	365-d REA	365-d %IMF
62 Angus	710	1292	3.69	1228	3.69	6.2	36.6	0.31	13.0	4.69
5 Charolais	696	1226	3.33	1185	3.23	6.7	35.8	0.17	13.4	3.05
4 Gelbvieh	734	1154	3.49	1155	3.11	6.3	38.8		12.2	1.92
3 Gelbvieh Bal.	755	1280	3.87	1264	3.35	6.4	3.57	0.15	11.1	2.95
2 P. Hereford	576	1010	2.74	1018	2.79	6.1	31.5	0.18	9.82	3.94
16 Simmental	669	1217	3.50	1176	3.17	6.6	36.7	0.16	12.5	2.60
10 Simm. Hybd.	676	1255	3.52	1208	3.17	6.0	36.5	0.23	13.3	3.33
<b>102 Juniors</b>	<b>709</b>	<b>1262</b>	<b>3.61</b>	<b>1210</b>	<b>3.24</b>	<b>6.3</b>	<b>36.5</b>			

SW VIRGINIA CUSTOM JUNIOR (133 Day)	Weaning	Test					
	Adj. WW	Final Wt.	ADG	Adj YW	WDA	Frame Score	Scrotal Cir.
<b>4 Composites</b>		1214	3.36	1153	3.16	6.0	37.3

(4) **SALE RESULTS**

One sale including both Senior and Junior bulls was held March 28, 2009 at the Umberger sale facility outside Wytheville. The sale was managed by Virginia BCIA. Catalog content was the same as for Culpeper sales. A minimum floor price of \$1200 was established by the test and sale committee for all bulls in the sale. One Senior Gelbvieh bull failed to bring the floor price.

Nine Senior (5 Angus, 1 Charolais, 2 Simmental, 1 Simmental Hybrid) and 15 Junior bulls (8 Angus, 5 Simmental, 1 Charolais, 1 Gelbvieh) were sold out-of-state: Senior: 3 WV, 2 AL, 2 NC, 1 KY, 1 TN; Juniors: 7 WV, 3 NC, 2 TN, 1 AL, 1 KY, 1 IA.

The sale also included the second annual BCIA-Influenced Bred Heifer Sale which included 47 fall-calving Virginia Premium Assured bred heifers from three BCIA members. The heifers sold immediately following the bulls, and averaged \$1036 per head. Sale expenses were shared with the bulls.

**SALE RESULTS – SW VIRGINIA 2009**

NUMBER	BREED	GROSS	AVERAGE
87	Angus	\$185,700	\$2,134
6	Charolais	\$8,400	\$1,400
2	Gelbvieh	\$7,000	\$3,500
5	Gelbvieh Balancers	\$6,850	\$1,370
1	P. Hereford	\$1,500	\$1,500
19	Simmental	\$43,900	\$2,311
13	Simm. Hybrids	\$29,300	\$2,254
<b>133</b>		<b>\$282,650</b>	<b>\$2,125</b>

BREED	SENIOR BULLS		JUNIOR BULLS	
	NO.	AVERAGE	NO.	AVERAGE
Angus	44	\$2,106	43	\$2,164
Charolais	2	\$1,275	4	\$1,463
Gelbvieh	1	\$1,500	1	\$5,500
Gelbvieh Balancers	2	\$1,275	3	\$1,433
P. Hereford			1	\$1,500
Simmental	8	\$2,381	11	\$2,259
Simm. Hybrid	5	\$2,380	8	\$2,175
<b>Total</b>	<b>62</b>	<b>\$2,100</b>	<b>71</b>	<b>\$2,147</b>

(5) **PROGRAM COSTS**

Consignors paid Southwest Bull Test Station \$150 per bull at delivery. All other expenses for testing and sales were deducted or billed for after the sale. Test and sale costs were calculated on the same basis as Culpeper tests. Sale preparation charges included clipping/cleaning fee, plus hauling charges.

**AVERAGE TEST AND SALE COST (BULLS SOLD)**  
per head basis

		SW VA Sr.	SW VA Jr.	
<b>EXPENSES 2008-09</b>				
<b><u>Test Costs</u></b>				
Feed		\$544.83	\$504.92	
Yardage (test days on feed)		63.00 (112)	73.50 (133)	
Medical, Eartags, Processing		15.56	27.33	
Ultrasound		16.99	16.77	
Consignment Fee		45.00	45.00	
<b>Total Test Costs</b>		<b>\$685.38</b>	<b>\$667.52</b>	
<b><u>Post-Test &amp; Sale Costs</u></b>				
Post Test Feed/Yardage (days)		155.48 (46)	108.75 (25)	
Sale Preparation Fee		40.00	40.00	
Blood Tests		15.00	15.00	
Sale Expenses*		199.92 (9.52%)	204.39 (9.52%)	
Transfer Fee, Checkoff, etc.		6.99	6.99	
<b>Total Post Test &amp; Sale Costs</b>		<b>\$417.39</b>	<b>\$375.13</b>	
<b>Grand Total Costs 2008-09</b>		<b>\$1102.77</b>	<b>\$1042.65</b>	
<b>Total Costs 2007-08</b>		\$1049	\$967	
<b>Test/Sale (Sale Exp. %)</b>		\$625/\$424 (8.1%)	\$622/\$345 (8.1%)	
		2006-07	\$859	\$793
			\$533/\$325 (8.9%)	\$521/\$272 (8.9%)
		2005-06	\$926	\$803
			\$496/\$429 (7.9%)	\$481/\$321 (7.9%)
		2004-05	\$852	\$801
			\$450/\$403(8.1%)	\$480/\$322(8.1%)
		2003-04	\$826	\$781
			\$476/\$350(8.2%)	\$490/\$292(8.2%)
<b>Sale Average 2008-09</b>		<b>\$2,100</b>	<b>\$2,147</b>	
		2007-08	\$2,057	\$2,273
		2006-07	\$2,241	\$1,993
		2005-06	\$3,051	\$2,446
		2004-05	\$2,656	\$2,395
		2003-04	\$2,508	\$2,311
<b>Consignor Net (% of sale price) 2008-09</b>		<b>\$997 (47%)</b>	<b>\$1,104 (51%)</b>	
		2007-08	\$1,008 (49%)	\$1,306 (57%)
		2006-07	\$1,382 (62%)	\$1,200 (60%)
		2005-06	\$2,125 (70%)	\$1,643 (67%)
		2004-05	\$1,803 (68%)	\$1,593 (67%)
		2003-04	\$1,682 (67%)	\$1,530 (66%)

\*Sale Expenses include fees charged as percentage of sale gross (sale management 3.0%, sale facility 1.0%, auctioneer 1.0%) and expenses charged at cost (catalog printing/postage, advertising, ringmen, sale labor, multiple bull purchase discounts, etc.).

III. **PERFORMANCE AND TEST SUMMARY - TEST SEASON 2008-09**

**2008-2009 VA. BCIA CENTRAL BULL TEST STATIONS PERFORMANCE**

	<b>Culpeper Sr</b>	<b>Culpeper Jr</b>	<b>SW VA Sr</b>	<b>SW VA Jr</b>	<b>TOTAL</b>
<b>BREED</b>	<b>ADG YW NO.</b>	<b>ADG YW NO.</b>	<b>ADG YW NO.</b>	<b>ADG YW NO.</b>	<b>ADG YW NO.</b>
Angus	3.95 1211 87	3.75 1155 39	3.90 1171 76	3.69 1228 62	<b>3.85 1195 264</b>
Charolais			4.33 1128 2	3.33 1185 5	<b>3.62 1169 7</b>
Gelbvieh			3.26 1025 3	3.49 1155 4	<b>3.39 1099 7</b>
Gelbvieh Balancers	3.82 1320 3		3.92 1074 5	3.87 1264 3	<b>3.88 1193 11</b>
P. Hereford	3.44 1205 1			2.74 1018 2	<b>2.97 1080 3</b>
Red Angus		2.74 831 17			<b>2.74 831 17</b>
Simmental	3.39 1295 1		3.97 1098 13	3.50 1176 16	<b>3.70 1146 30</b>
Simm. Hybrid			3.79 1193 6	3.52 1208 10	<b>3.62 1202 16</b>
<b>TOTAL</b>	<b>3.93 1215 92</b>	<b>3.44 1057 56</b>	<b>3.89 1154 105</b>	<b>3.61 1210 102</b>	<b>3.75 1170 355</b>

IV. **SALES SUMMARY - TEST SEASON 2008-2009**

**2008-2009 VA. BCIA CENTRAL BULL TEST STATION SALE AND BREED AVERAGES**

	<b>Culpeper Sr</b>		<b>Culpeper Jr</b>		<b>SW Virginia</b>		<b>TOTAL</b>	
<b>Angus</b>	47	\$95,800	20	\$31,850	87	\$185,700	<b>154</b>	<b>\$313,350</b>
<b>Avg.</b>		\$2,038		\$1,593		\$2,134		<b>\$2,035</b>
<b>Charolais</b>		-----		-----	6	\$8,400	<b>6</b>	<b>\$8,400</b>
<b>Avg.</b>		-----		-----		\$1,400		<b>\$1,400</b>
<b>Gelbvieh</b>		-----		-----	2	\$7,000	<b>2</b>	<b>\$7,000</b>
<b>Avg.</b>		-----		-----		\$3,500		<b>\$3,500</b>
<b>Gelbvieh Bal.</b>	3	\$8,000		-----	5	\$6,850	<b>8</b>	<b>\$14,850</b>
<b>Avg.</b>		\$2,667		-----		\$1,370		<b>\$1,856</b>
<b>P. Hereford</b>	1	\$1,300		-----	1	\$1,500	<b>2</b>	<b>\$2,800</b>
<b>Avg.</b>		\$1,300		-----		\$1,500		<b>\$1,400</b>
<b>Red Angus</b>		-----	1	\$1,500		-----	<b>1</b>	<b>\$1,500</b>
<b>Avg.</b>		-----		\$1,500		-----		<b>\$1,500</b>
<b>Simmental</b>		-----		-----	19	\$43,900	<b>19</b>	<b>\$43,900</b>
<b>Avg.</b>		-----		-----		\$2,311		<b>\$2,311</b>
<b>Simm. Hybrid</b>		-----		-----	13	\$29,300	<b>13</b>	<b>\$29,300</b>
<b>Avg.</b>		-----		-----		\$2,254		<b>\$2,254</b>
<b>2008-09 Totals</b>	<b>51</b>	<b>\$105,100</b>	<b>21</b>	<b>\$33,350</b>	<b>133</b>	<b>\$282,650</b>	<b>205</b>	<b>\$421,100</b>
<b>Avg.</b>		<b>\$2,061</b>		<b>\$1,588</b>		<b>\$2,125</b>		<b>\$2,054</b>
2007-08 Totals	65	\$115,500	38	\$64,700	135	\$294,350	238	\$474,550
<b>Avg.</b>		\$1,777		\$1,703		\$2,180		\$1,994
2006-07 Totals	75	\$148,400	50	\$98,150	132	\$275,450	257	\$522,000
<b>Avg.</b>		\$1,979		\$1,963		\$2,087		\$2,031
2005-06 Totals	82	\$200,800	55	\$115,800	129	\$346,350	266	\$662,950
<b>Avg.</b>		\$2,449		\$2,105		\$2,685		\$2,492
2004-05 Totals	75	\$194,800	50	\$118,750	130	\$325,450	255	\$639,000
<b>Avg.</b>		\$2,597		\$2,375		\$2,503		\$2,506
2003-04 Totals	72	\$153,000	55	\$114,450	116	\$278,750	243	\$546,200
<b>Avg.</b>		\$2,125		\$2,081		\$2,403		\$2,248

V. COMPARISON BY PRICE – 2008-09

**AVERAGE SALE PRICES BY THIRDS 2008-09**

SALE	TOP 1/3		MIDDLE 1/3		BOTTOM 1/3		TOTAL	
	NO.	PRICE	NO.	PRICE	NO.	PRICE	NO.	PRICE
Culpeper Senior	17	\$2,865	17	\$1,918	17	\$1,400	51	\$2,061
Culpeper Junior	7	\$1,807	7	\$1,593	7	\$1,364	21	\$1,588
SW Virginia Sr.	21	\$2,805	20	\$2,033	21	\$1,460	62	\$2,100
SW Virginia Jr.	24	\$3,129	23	\$1,848	24	\$1,452	71	\$2,147
SW Virginia All	44	\$3,017	45	\$1,913	44	\$1,450	133	\$2,125
<b>ALL SALES</b>	<b>68</b>	<b>\$2,854</b>	<b>69</b>	<b>\$1,882</b>	<b>68</b>	<b>\$1,429</b>	<b>205</b>	<b>\$2,054</b>

VI. TOTAL NUMBER OF BREEDERS TESTING BULLS

**2008-2009 BREEDERS TESTING BULLS**

	Culpeper Sr.	Culpeper Jr.	SW VA Sr.	SW VA Jr.	Total
Angus	21 (4)	10 (4)	23 (5)	24 (8)	46 (15)
Charolais			1 (1)	3 (1)	3 (1)
Composite				1	1
Gelbvieh			1	3	3
Gelbvieh Bal.	1		1	2	4
P. Hereford	1			2	2
Red Angus		1			1
Simmental	1		4 (1)	8	11 (1)
Simm. Hybrid			2	5 (1)	6 (1)
	<b>21 (4)</b>	<b>11 (4)</b>	<b>30 (6)</b>	<b>37 (9)</b>	
<b>2008-09 Totals</b>	<b>27 (7)</b>		<b>47 (9)</b>		<b>58 (13)</b>
2007-08 Totals	45 (9)		50 (9)		79 (18)
2006-07 Totals	48 (7)		50 (8)		86 (14)
2005-06 Totals	46 (6)		46 (10)		82 (15)
2004-05 Totals	47 (9)		45 (14)		84 (22)
2003-04 Totals	39 (5)		48 (14)		81 (19)
2002-03 Totals	44 (3)		59 (13)		90 (15)
2001-02 Totals	45 (5)		63 (11)		101 (15)

( ) Denotes out-of-state Breeders

**VII. VA BCIA SALE ELIMINATION CRITERIA SUMMARY 2008-2009**

**2008-09 Virginia BCIA Central Bull Tests and Sales  
Sale Elimination Criteria Summary**

	<b>Culpeper Sr.</b>	<b>SW Virginia Sr.</b>	<b>SW Virginia Jr.</b>	<b>Culpeper Jr.</b>	<b>Total</b>
No. Bulls Delivered	95	105	105	58	363
No. Bulls Completing Test	92	105	102	56	355
No. Bulls Not Completing Test (health, injury, etc.)	3	0	3	2	8 (2.2%)
No. Bulls Eliminated from Sale Post-Test	34	31	29	29	123
No. Bulls Cataloged for Sale	58	74	73	27	232
No. Bulls Cataloged but not Sold	7	12	2	6	27 (11.6% cataloged)
Scratched- BSE/semen evaluation	6	8	NA	NA	14 (10.6% Srs. cataloged)
Scratched- other (injury, etc.)	1	0	1	0	2 (0.9% cataloged)
No sales	0	4	1	6	11 (4.7% cataloged)
<b>Criteria for Sale Elimination<sup>a</sup>:</b>	<b>No. Bulls</b>	<b>No. Bulls</b>	<b>No. Bulls</b>	<b>No. Bulls</b>	<b>No. Bulls (% completing test)</b>
ADG Ratio < 80	4	8	3	17	32 (9.0%)
YW Ratio < 90	9	5	9	10	33 (9.3%)
< Minimum YW EPD or no EPDs	1	3	1	9	14 (3.9%)
Frame Score < 5.0	1	0	1	13	15 (4.2%)
Unsuitable Disposition	1	1	1	0	3 (0.8%)
Undesirable Feet and Leg Structure	5	3	2	12	22 (6.2%)
Unsatisfactory Breeding Soundness Exam	13	15	4	0	32 (9.0%)
< Minimum Scrotal Circumference	3	2	2	0	7
Testicular abnormality/injury	1	1	0	0	2
Penile warts	1	0	0	0	1
Seminal vesiculitis	2	4	2	0	8
Epididymitis	0	0	0	0	0
Semen evaluation (Sr. bulls only)	6	8	NA	NA	14
Other (AMC genotype)	0	5	3	1	9 (2.5%)
Retained by Breeder	5	0	0	0	5 (1.4%)
Low Sale Index <sup>b</sup>	7	4	9	0	20 (5.6%)

<sup>a</sup>Bulls may be eliminated from sale for failing to meet one or more criteria.

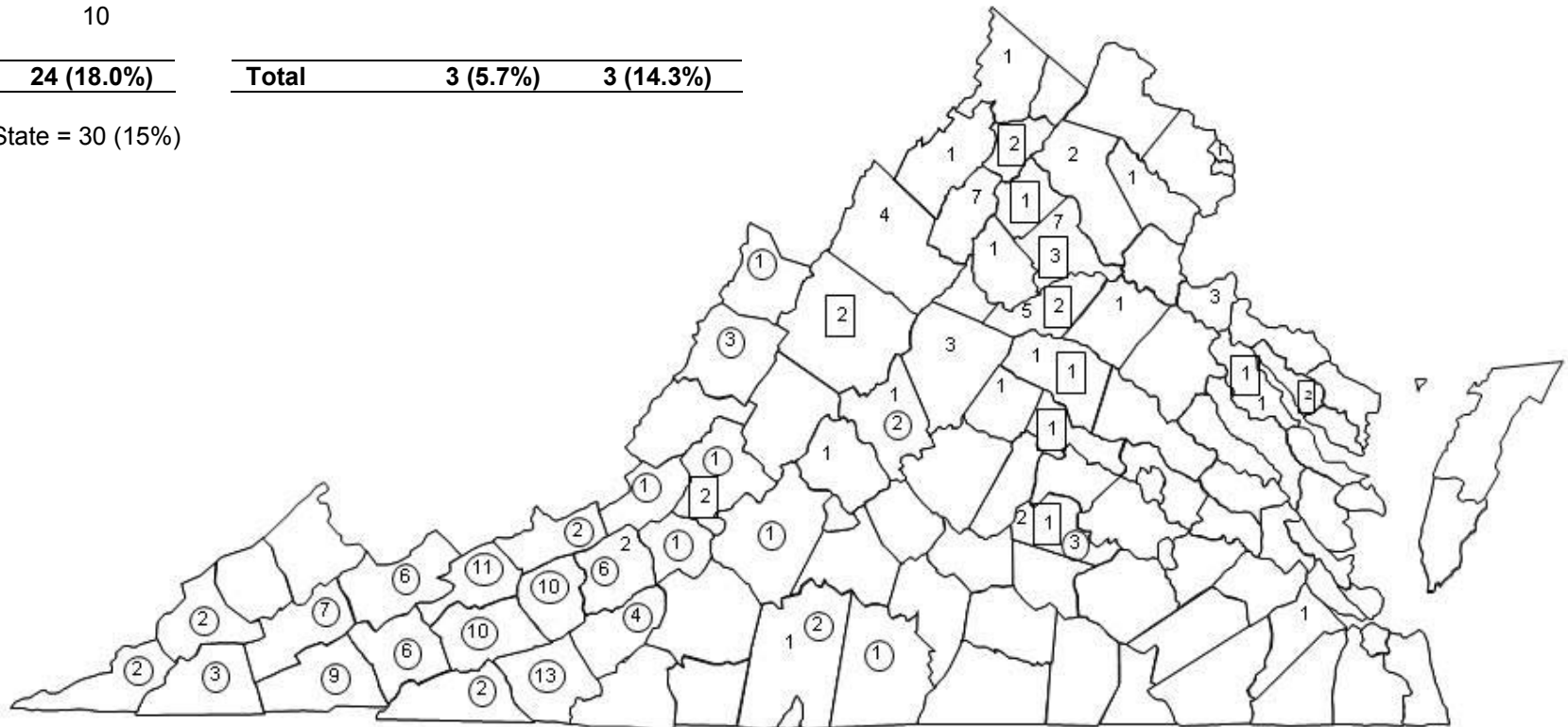
<sup>b</sup>Sale Index = 2/3 Station Index (2/3 YW ratio + 1/3 ADG ratio) + 1/3 EPD average percentile ranking. Sale index used to eliminate additional bulls (after eliminating those that fail to meet other minimum criteria) to arrive at target sale number within each breed.

**VIII. DISPOSITION OF BULLS**

**2008-2009 SALES  
WHERE TEST STATION BULLS WENT**

<b>SW Virginia</b>		<b>Culpeper</b>		<b>Sr.</b>	<b>Jr.</b>
Iowa	1	Tennessee	1		
Kentucky	2	West Virginia	2		
Alabama	3	Maryland		3	
Tennessee	3				
N. Carolina	5				
W. Virginia	10				
<b>Total</b>	<b>24 (18.0%)</b>	<b>Total</b>	<b>3 (5.7%)</b>	<b>3 (14.3%)</b>	

Total Out Of State = 30 (15%)



**STATION CODE**

CULPEPER Sr. - Number Only

CULPEPER Jr. - □

SW VIRGINIA - O

**IX. VA BCIA CENTRAL BULL TEST STATION SUMMARY 1990-2009**

**VA BCIA CENTRAL BULL TESTS & SALES 1988-2009**

YEAR	Culpeper Sr Tested/ADG Sold / Price		Culpeper Jr Tested/ADG Sold / Price		SW VA Sr Tested/ADG Sold / Price		SW VA Jr Tested/ADG Sold / Price		TOTAL Tested/ADG Sold / Price	
1990	124	2.79	121	3.18	49	2.62	129	3.18	613	3.15
	86	\$1,774	80	\$1,562	32	\$1,550	85	\$1,818	412	\$1,818
1991	124	3.40	122	3.33	50	3.08	129	3.13	607	3.35
	80	\$1,984	85	\$1,705	37	\$1,701	87	\$1,736	418	\$1,836
1992	124	3.56	126	3.53	49	3.46	132	3.42	616	3.52
	80	\$2,072	85	\$1,478	34	\$2,291	90	\$2,018	417	\$1,900
1993	122	3.45	127	3.32	58	3.21	169	3.02	615	3.24
	82	\$2,217	84	\$1,682	38	\$1,814	116	\$1,560	412	\$1,863
1994	127	3.32	130	3.00	58	3.10	164	2.91	621	3.23
	86	\$1,814	89	\$1,502	39	\$1,721	112	\$1,642	422	\$1,762
1995	124	3.00	116	3.27	53	3.32	159	3.11	590	3.28
	84	\$1,677	72	\$1,641	36	\$1,803	110	\$1,777	400	\$1,832
1996	127	2.88	122	2.68	56	3.18	173	3.10	618	3.11
	82	\$1,437	79	\$1,098	37	\$1,486	111	\$1,119	405	\$1,365
1997	117	3.49	124	3.38	59	3.29	156	3.01	596	3.41
	71	\$1,280	81	\$1,630	38	\$1,764	107	\$1,580	390	\$1,677
1998	124	3.36	126	3.39	62	3.24	150	3.17	599	3.28
	82	\$1,814	83	\$1,592	41	\$1,763	100	\$1,593	399	\$1,701
1999	125	3.34	113	3.82	60	3.62	140	3.43	438	3.53
	81	\$1,792	71	\$1,454	40	\$1,935	97	\$1,699	289	\$1,697
2000	124	3.99	125	3.50	64	3.66	157	3.48	470	3.64
	75	\$1,412	71	\$1,423	42	\$1,818	103	\$1,574	293	\$1,530
2001	92	3.96	113	3.81	80	3.79	115	3.62	400	3.79
	62	\$2,015	72	\$1,525	51	\$2,329	77	\$1,977	262	\$1,931
2002	101	3.89	100	4.00	65	3.76	155	3.41	421	3.72
	62	\$1,906	60	\$1,876	42	\$1,805	106	\$1,498	270	\$1,723
2003	105	3.37	88	3.67	91	3.39	119	3.29	402	3.42
	62	\$1,734	53	\$1,517	60	\$1,573	81	\$1,428	256	\$1,555
2004	128	3.69	89	3.97	82	3.44	105	3.37	404	3.62
	72	\$2,125	55	\$2,081	54	\$2,508	62	\$2,311	243	\$2,248
2005	127	3.77	95	3.74	87	3.80	108	3.81	417	3.78
	75	\$2,597	50	\$2,375	54	\$2,656	76	\$2,395	255	\$2,506
2006	138	3.82	99	3.84	82	3.95	122	3.66	441	3.80
	82	\$2,449	55	\$2,105	51	\$3,051	78	\$2,446	266	\$2,492
2007	131	3.48	105	3.86	86	3.88	127	3.79	449	3.73
	75	\$1,979	50	\$1,963	50	\$2,241	82	\$1,993	257	\$2,031
2008	115	4.03	71	3.42	92	3.46	119	3.63	397	3.67
	65	\$1,777	38	\$1,703	58	\$2,057	77	\$2,273	238	\$1,994
2009	92	3.95	56	3.44	105	3.89	102	3.61	355	3.75
	51	\$2,061	21	\$1,588	62	\$2,100	71	\$2,147	205	\$2,054

**X. VA. BCIA CENTRAL BULL TEST STATION SUMMARY 1959-2009**

YEAR	TESTED			SOLD	
	NO.	ADG	ADJ. YR. WT.	NO.	AV. PRICE
1959	67	2.56	843	64	\$636
1960	111	2.41	816	85	503
1961	119	2.42	859	63	746
1962	90	2.48	837	78	573
1963	83	2.37	821	67	687
1964	99	2.37	874	89	583
1965	118	2.35	889	76	563
1966	85	2.64	928	77	792
1967	108	2.48	875	88	702
1968	184	2.37	910	151	659
1969	184	2.64	933	153	867
1970	173	2.55	927	133	797
1971	164	2.62	929	115	815
1972	124	2.78	960	71	1054
1973	270	2.68	934	172	801
1974	296	2.70	954	203	1192
1975	356	2.83	962	197	794
1976	334	2.94	971	197	983
1977	363	2.76	970	218	841
1978	346	2.57	956	199	840
1979	338	2.81	987	208	1,501
1980	492	3.11	1022	300	1,536
1981	519	3.07	1034	325	1,495
1982	606	2.99	1023	344	1,271
1983	601	2.99	1042	355	1,297
1984	591	2.96	1046	336	1,317
1985	575	3.19	1067	340	1,287
1986	594	3.15	1084	356	1,219
1987	523	3.09	1076	339	1,375
1988	559	3.19	1077	372	1,609
1989	596	3.18	1083	405	1,748
1990	613	3.15	1080	412	1,818
1991	607	3.35	1111	418	1,836
1992	616	3.52	1128	417	1,900
1993	615	3.24	1100	412	1,863
1994	621	3.23	1100	422	1,762
1995	590	3.28	1108	400	1,832
1996	618	3.11	1093	405	1,365
1997	596	3.41	1100	390	1,677
1998	599	3.28	1120	399	1,701
1999	438	3.53	1150	289	1,697
2000	470	3.64	1170	293	1,530
2001	400	3.79	1196	262	1,931
2002	421	3.72	1190	270	1,723
2003	402	3.42	1124	256	1,555
2004	404	3.62	1150	243	2,248
2005	417	3.78	1163	255	2,506
2006	441	3.80	1192	266	2,492
2007	449	3.73	1200	257	2,031
2008	397	3.67	1204	238	1,994
2009	355	3.75	1170	205	2,054

**XI. NUMBERS TESTED AND SALE RESULTS FOR ALL YEARS COMBINED**

Includes all bulls at Culpeper, Dublin, Foster Falls, Red House and Wytheville, 1959-2009. 19,789 have been tested and 12,760 have been sold.

<u>NO. SOLD</u>	<u>BREED</u>	<u>GROSS</u>	<u>AVERAGE</u>
8044	Angus	\$12,829,859	\$1,595
2	Ankina	2,800	1,400
13	Brangus	14,645	1,127
2	Braunvieh	3,500	1,750
787	Charolais	1,175,670	1,494
2	Devon	1,075	538
305	Gelbvieh & Gelbvieh Balancer	652,124	2,138
1996	Hereford & Polled Hereford	2,196,464	1,100
117	Limousin	178,487	1,525
1	Rangsey	550	550
55	Red Angus	68,086	1,238
1	Red Poll	500	500
41	Salers	51,126	1,247
18	Santa Gertrudis	19,300	1,072
43	Shorthorn	25,825	601
12	Simbrah	12,275	1,023
1310	Simmental & Simm. Hybrid	2,232,432	1,704
11	Tarentaise	11,630	1,057
<b>12,760</b>		<b>\$19,484,048</b>	<b>\$1,527</b>