

2014 State Fair of Virginia Lamb Carcass Evaluation

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This is the 16th year for the Lamb Carcass Contest held in conjunction with the state youth market lamb show. The following will describe the carcass evaluation and pricing procedures, along with determination of carcass premiums. A historical summary of the program is provided on the last page.

Hot Carcass Weight (HCW)

Represents the weight of the carcass immediately following harvest. The desirable weight for lamb carcasses is dependent on the end use of the carcass. Specifically, lamb processors utilize and fabricate carcasses of different weights in various ways depending on demand by the end-user. Carcass weight is an important factor when lamb carcasses are priced, as USDA reports prices for lamb carcasses in weight increment categories. Generally, very light and very heavy carcasses receive a discount in price. Supply and demand changes throughout the year influence which carcass weights are most preferred.

Dressing Percentage (DP)

Calculated by dividing carcass weight by live weight and multiplying by 100. Dressing percentage reflects the proportion of a live lamb's weight that results in carcass weight. Dressing percentage is influenced mostly by the amount of gut fill. Fat cover and muscling also influence dressing percentage. Typically, dressing percentages for shorn lambs range from 52-57%.

Fat Thickness (FT)

Fat thickness is measured over the center of the ribeye muscle after the carcass has been ribbed (split) between the 12th and 13th ribs. This measurement may be adjusted (up or down) to reflect distribution of external fat over the entire carcass. The amount of fat thickness at the 12-13th rib is a strong indicator of the total amount of fat that is trimmed away when the carcass is fabricated into retail cuts. Carcasses with excessive amounts of fat are less desirable because of excess waste. Carcasses with more than 0.36 inches of fat thickness are commonly discounted in price. The industry also discriminates against carcasses that are very lean (less than 0.10 inches of fat thickness), due to increased dehydration and shrink during storage and transportation for these very lean carcasses. Fat thickness is also the determining factor in calculating lamb carcass yield grades. The goal is to produce carcasses that have at least 0.10 inches, but preferably not more than 0.30 inches of fat thickness. Within this range, carcasses meet the preferred minimum yet do not have an excess amount of waste.

Yield Grade (YG)

Yield grade is calculated by the equation: $YG = 0.4 + (10 \times \text{fat thickness})$. Yield grades are used by the industry to categorize carcasses for their expected yield of boneless, closely trimmed retail cuts. Yield grades range from 1 to 5, with a yield grade 1 having the highest expected yield and 5 the lowest. Under normal circumstances, carcasses are yield graded a 1, 2, 3, 4, or 5. However, yield grades have been reported to the nearest 0.1 for this carcass contest. Since yield grades estimate the percentage of the carcass that is saleable retail cuts, they are an important aspect of carcass pricing. Yield grade 4 and 5 carcasses are undesirable because of their excess fat, and therefore lower yield of boneless, trimmed retail cuts.

Body Wall Thickness (BW)

Body wall thickness (inches) is measured over the rib beyond the ribeye, five inches from the midline of the carcass. Differences in body wall thickness between carcasses are due primarily to fat. Carcasses that are similar over the ribeye for fat thickness (FT), may vary considerably in body wall thickness. The body wall thickness measurement is used in the equation to determine percentage boneless, closely trimmed retail cuts (% BCTRC).

Loin Muscle Area (LMA)

Loin muscle area (ribeye area) is used as an indicator of total amount of muscle mass in the carcass. Loin muscle measurements are taken by using a grid to determine the cross-sectional area (in square inches) of the loin muscle at the 12th-13th rib. The loin muscle is a primary muscle in the carcass, and therefore is fairly reflective of total carcass muscling. The ribeye is also the major muscle in the loin, which is the most valuable wholesale cut in the carcass. LMA size is related to carcass weight- heavier carcasses should have larger LMAs.

Leg Score

Leg score is a visual estimate of the amount of muscle in the leg of the carcass. Leg scores are expressed numerically with 15 (Prime+) being the heaviest muscled and 10 (Choice-) being relatively light muscled. The scores are assigned by evaluating the muscle expression, shape, and fullness to the leg relative to carcass weight. Leg scores are not used to calculate percentage of retail cuts (%BCTRC), but are important in determining quality grades (QG).

Percentage Boneless Closely-Trimmed Retail Cuts (%BCTRC)

The percentage of boneless, closely trimmed retail cuts is very meaningful as it represents the predicted proportion of the carcass that is saleable retail product. The formula to predict %BCTRC uses carcass weight, fat thickness, body wall thickness, and ribeye area as follows:

$$\%BCTRC = 49.936 - (.0848 \times HCW) - (4.376 \times FT) - (3.530 \times BW) + (2.456 \times REA)$$

This percentage varies greatly, with very high yielding carcass being greater than 50% BCTRC and low yielding carcasses less than 45% BCTRC. The two measurements of waste fat, fat thickness (FT) and body wall thickness (BW), have the largest impact on %BCTRC. Lambs with more waste fat will have lower %BCTRC. Muscling also influences the value. Larger ribeyes relative to carcass weight will increase %BCTRC. Although yield grades estimate percentage of boneless retail cuts, %BCTRC is more precise because it includes body wall thickness and also accounts for differences in muscle between carcasses.

Quality Grade (QG)

Quality grades are an estimation of the palatability characteristics (tenderness, juiciness, and flavor) of the carcass. Final quality grade is determined by three factors: maturity, flank streaking, and conformation. In young lambs, there is normally very little variation in maturity (age). Flank streakings are the fat deposits on the flank muscles. Since lamb carcasses are normally not ribbed, flank streaking is used to estimate marbling. Marbling is the small specs of fat found within the ribeye muscle, and is related to flavor and juiciness. The final component is conformation (muscling), which is primarily determined by leg score. These factors are combined to arrive at a final quality grade. Most lamb carcasses quality grade Choice and Prime. Prime is the highest quality grade, followed by Choice. Each quality grade is further subdivided into thirds: Prime+, Prime^o, Prime-, Choice+, Choice^o, and Choice-, from highest to lowest in quality, respectively. Carcasses that do not qualify for Choice-quality grade, are commonly referred to as “no rolls” (NR) in the industry. These carcasses are usually from lightweight, underfinished lambs. Due to their inferior quality, no roll carcasses are frequently discounted in price.

Carcass Pricing

A carcass price of \$3.15 per pound was established for all carcass weights and grades. The total value of the carcass is calculated by multiplying carcass price/lb. (\$3.15) by hot carcass weight. The equivalent live price/lb. is determined by dividing total carcass value by live weight. Differences in live value reflect differences in dressing percentage. A \$0.50 per head deduction will be made for each lamb for the state lamb checkoff. This checkoff money is used for predator control, lamb promotion, and sheep research. The Virginia Sheep Industry Board allocates these funds. All lambs sold in Virginia are subject to this checkoff. There is also a national checkoff assessed at a rate of \$0.70 per 100 pounds of live weight.

Carcass Placings

Lambs were placed into five categories (Gold, Purple, Blue, Red, and Pink). Carcasses failing to meet one or more of the following standards were placed in the Pink group:

Minimum fat thickness of 0.12 in.

Maximum fat thickness of 0.35 in. (maximum Yield Grade of 3.9)

Minimum LMA for carcass weight using formula: $1.4 + (0.02 \times \text{HCW})$

60 lb. HCW minimum LMA = 2.6

70 lb. HCW minimum LMA = 2.8

80 lb. HCW minimum LMA = 3.0

Minimum Quality Grade of Choice-

Minimum carcass weight of 45.0 pounds

Carcasses meeting all of the above standards were ranked using %BCTRC and live ADG as follows:

Category	Description	Criteria	Premium
Gold	Lambs with both outstanding carcass merit and growth	≥ 50.0 %BCTRC & ≥ 0.45 ADG	\$50
Purple	Lambs with superior carcass merit and desirable growth	≥ 50.0 %BCTRC with ADG < Gold standard or 49.0-49.9 %BCTRC with ≥ 0.42 ADG	\$30
Blue	Lambs with desirable carcass merit	Carcasses not meeting Gold or Purple criteria with > 47.5 %BCTRC or YG 1 or 2, and with ≥ 0.20 ADG	\$25
Red	Lambs meeting carcass standards but have less desirable combination of leanness and LMA	All remaining carcasses meeting standards	\$15
Pink	Lambs which are over-finished or under-finished, and/or have small LMA relative to their weight	Carcasses failing to meet one or more of the standards listed above	\$5

The premium categories reward lambs that excel in both carcass merit and growth. The ADG value of 0.42 was chosen as a base since it was the average performance of all the market lambs exhibited in the live show. Within a premium category, carcasses are listed by %BCTRC. Traits shown in bold on the results sheet indicate the carcass does not meet the standard for that trait. Lambs not exhibited in the live show were not eligible for carcass premiums. The State Fair and the Virginia Sheep Industry Board provided the carcass premium monies.

Contest Summary 1999-2014

Since 1999, a total of 2794 lambs have been evaluated through the Lamb Carcass Contest held in conjunction with Virginia's state youth market lamb show. The following table summarizes the carcass information over this period.

Over the last 16 years, live weights and carcass weights of lambs have gotten substantially heavier. Associated with this weight increase has been a corresponding increase in ADG, loin muscle area, and fatness. During the last 5 years (2009-2013), there has been an increase in the percentage of heavy lambs with heavy carcasses (> 85 pounds), as well as an increased proportion of overfinished, Yield Grade 4 lambs.

In 2014, live weights and carcass weights continued the recent trend of getting heavier. The proportion of overfinished, YG4 carcasses was similar to the 5-year average. However, compared to earlier years of the contest there is a strong trend for an increase in the proportion of YG3 and higher carcasses (lower percentage of the carcasses are YG1 & YG2 compared to a few years ago). Along with these heavier weights and increased fatness, there are more lambs considered light muscled based on LMA relative to weight, although this year's carcasses were heavier muscled on average compared to the last five years. Genetics, feeding, and management programs all play an important role in carcass outcome, and therefore close attention to these factors will impact carcass quality.

VIRGINIA LAMB CARCASS CONTEST SUMMARY 1999-2014

	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>	5 year avg. (2009-2013)	16 year avg. (1999-2014)
Carcass Measurements:								
Number of Carcasses	141	131	178	191	135	138	773	2794
Live Wt., lb.	131.1	130.6	131.4	126.4	129.0	128.7	129.1	123.9
ADG, lb./day	0.42	0.43	0.40	0.39	0.41	0.42	0.41	0.37
Carcass Wt., lb.	75.3	73.6	74.7	71.6	72.5	72.7	73.0	69.5
Dressing %	57.3	56.2	56.7	56.6	56.1	56.4	56.4	56.0
Adj. Fat Thickness, in.	0.28	0.28	0.27	0.26	0.28	0.24	0.27	0.23
Yield Grade	3.2	3.2	3.1	3.0	3.2	2.8	3.04	2.67
Loin muscle area, sq. in.	3.34	3.15	3.27	3.23	3.16	3.24	3.22	3.13
Leg Score (12 = Ch , 13 = Ch+)	12.4	12.3	12.4	12.5	12.3	12.4	12.39	12.50
% BCTRC	47.3	47.2	47.4	47.7	47.1	47.8	47.5	48.0
Quality Grade (11 = Ch-, 12 = Ch)	11.8	11.8	11.7	11.6	11.7	11.6	11.7	11.5
Carcass Price, \$/cwt.	\$315.00	\$255.00	\$190.00	\$360.00	\$270.00	\$200.00	\$258.78	\$188.50
Live Value, \$/cwt.	\$180.61	\$143.41	\$107.78	\$203.69	\$151.44	\$112.80	\$146.04	\$105.93
Carcass Contest Specifications:								
ADG standard for premium placings	0.42	0.42	0.40	0.40	0.41	0.41	0.41	0.36
< 0.10 in. Fat Thickness	2 (1.4%)	1.5%	2.8%	0.0%	0.7%	0.0%	1.0%	1.6%
Yield Grade ≥ 4 (> 0.35 in. fat)	26 (18.4%)	14.5%	16.9%	20.4%	20.7%	11.6%	17.1%	8.4%
< minimum Loin Muscle Area	9 (6.4%)	14.5%	9.6%	4.7%	12.6%	13.0%	10.3%	12.5%
< Ch- Quality Grade (No Roll)	0 (0.0%)	0.0%	0.0%	0.0%	0.7%	0.0%	0.1%	0.1%
Carcass weight < 45.0 lb.	0 (0.0%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
Carcass Distributions:								
Gold Premium Category	0 (0.0%)	1.5%	1.1%	4.2%	0.7%	2.2%	2.1%	1.8%
Purple Premium Category	5 (3.5%)	6.1%	9.6%	14.1%	13.3%	10.1%	10.9%	15.6%
Blue Premium Category	68 (48.2%)	39.7%	36.0%	35.6%	24.4%	30.4%	33.5%	32.9%
Red Premium Category	34 (24.1%)	25.2%	25.8%	23.0%	28.9%	33.3%	26.9%	28.6%
Pink Premium Category	34 (24.1%)	27.5%	27.5%	23.0%	32.6%	23.9%	26.6%	21.2%
Carcass Distributions:								
Yield Grade 1	8 (5.7%)	6.9%	11.8%	15.2%	8.9%	21.0%	12.9%	23.0%
Yield Grade 2	50 (35.5%)	36.6%	34.3%	34.6%	30.4%	41.3%	35.3%	43.7%
Yield Grade 3	57 (40.4%)	42.0%	37.1%	29.8%	40.0%	26.1%	34.7%	24.9%
Yield Grade ≥ 4	26 (18.4%)	14.5%	16.9%	20.4%	20.7%	11.6%	17.1%	8.4%
Carcass Distributions:								
Prime Quality Grade	2 (1.4%)	4.6%	4.5%	2.1%	0.7%	0.0%	2.5%	1.6%
Choice Quality Grade	139 (98.6%)	95.4%	95.5%	97.9%	98.5%	100.0%	97.4%	98.3%
No Roll Quality Grade	0 (0.0%)	0.0%	0.0%	0.0%	0.7%	0.0%	0.1%	0.1%
Carcass Distributions:								
HCW < 45 lb.	0 (0.0%)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
HCW 45-54 lb.	5 (3.5%)	3.1%	7.9%	7.3%	5.9%	5.1%	6.1%	9.6%
HCW 55-64 lb.	18 (12.8%)	20.6%	9.6%	17.3%	20.0%	21.0%	17.2%	23.7%
HCW 65-74 lb.	34 (24.1%)	27.5%	30.3%	30.4%	31.1%	26.1%	29.2%	33.0%
HCW 75-84 lb.	57 (40.4%)	32.8%	32.0%	35.6%	25.9%	34.8%	32.5%	25.5%
HCW > 85 lb.	27 (19.1%)	16.0%	20.2%	9.4%	17.0%	13.0%	15.0%	8.0%

2014 State Fair of Virginia Lamb Carcass Contest

Exhibitor	County	VSF ID	Live Weight	Live ADG	Live Class	Live Placing	Carcass Wt.	Dress. %	Adj. FT	Yield Grade	Body Wall	LMA	Leg Score	Quality Grade	% BCTRC	Carcass Price/lb.	Carcass Value \$/hd	Equivalent Live Price/lb.
Purple																		
Shaina Beach	Rockingham	76528	104	0.44	BF 2	7	59	56.7	0.18	2.2	0.70	3.40	11	Choice°	50.0	\$3.15	\$185.85	\$1.79
Jackson Lohr	Rockingham	76319	99	0.57	SF 1	4	51	51.5	0.15	1.9	0.60	2.55	12	Choice+	49.1	\$3.15	\$160.65	\$1.62
Cheyenne Parnell	Carroll	8570	104	0.55	BF 2	2	64	61.5	0.21	2.5	0.85	3.55	13	Choice+	49.3	\$3.15	\$201.60	\$1.94
Hannah Hass	Tazewell	76808	95	0.52	BF 1	7	48	50.5	0.12	1.6	0.50	2.35	12	Choice-	49.3	\$3.15	\$151.20	\$1.59
Hannah Hass	Tazewell	76806	120	0.43	BF 7	10	64	53.3	0.16	2.0	0.65	3.10	12	Choice°	49.1	\$3.15	\$201.60	\$1.68

5 Purple Carcasses Average			104	0.50			57.2	54.7	0.16	2.0	0.66	2.99	12.0		49.4	\$3.15	\$180.18	\$1.72
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Blue																		
Cody Boden	Frederick	76502	130	0.41	BF 10	1	77	59.2	0.16	2.0	0.65	3.60	13	Choice+	49.3	\$3.15	\$242.55	\$1.87
Caleb Durham	Stafford	96623	110	0.38	BF 4	6	65	59.1	0.20	2.4	0.70	3.40	13	Choice+	49.4	\$3.15	\$204.75	\$1.86
Camille Mitchell	Chesapeake	76853	99	0.38	BF 1	1	58	58.6	0.20	2.4	0.75	3.40	12	Choice°	49.8	\$3.15	\$182.70	\$1.85
Brady Childs	Clarke	76552	126	0.37	BF 9	9	62	49.2	0.14	1.8	0.55	3.05	12	Choice°	49.6	\$3.15	\$195.30	\$1.55
William Lohr	Rockingham	76324	112	0.37	SF 1	5	64	57.1	0.18	2.2	0.65	3.15	12	Choice°	49.2	\$3.15	\$201.60	\$1.80
Simon Liggett	Augusta	77006	98	0.32	SD	3	48	49.0	0.16	2.0	0.65	2.55	11	Choice°	49.1	\$3.15	\$151.20	\$1.54
McGuire Osborne	Grayson	76730	113	0.30	BF 4	9	58	51.3	0.13	1.7	0.50	2.85	12	Choice°	49.7	\$3.15	\$182.70	\$1.62
Ben Gray	Page	76488	114	0.28	BF 5	9	65	57.0	0.17	2.1	0.60	3.05	12	Choice°	49.1	\$3.15	\$204.75	\$1.80
Sierra McCray	Augusta	76469	114	0.27	BF 5	2	68	59.6	0.21	2.5	0.75	3.75	13	Choice+	49.8	\$3.15	\$214.20	\$1.88
Cameron Mayo	Fluvanna	8559	151	0.36	BF 18	9	82	54.3	0.30	3.4	1.00	3.80	13	Choice+	47.5	\$3.15	\$258.30	\$1.71
Kaylee Greiner	Montgomery	8553	126	0.51	BF 9	1	71	56.3	0.22	2.6	0.80	3.00	13	Choice+	47.5	\$3.15	\$223.65	\$1.78
Kaylee Greiner	Montgomery	8555	150	0.56	BF 18	4	87	58.0	0.25	2.9	1.00	3.90	13	Choice+	47.5	\$3.15	\$274.05	\$1.83
Emmalee Edwards	Craig	8593	154	0.49	BF 19	6	86	55.8	0.34	3.8	1.05	4.10	13	Choice+	47.5	\$3.15	\$270.90	\$1.76
Jordan Childs	Clarke	76565	124	0.40	BF 8	8	66	53.2	0.28	3.2	0.80	2.95	11	Choice+	47.5	\$3.15	\$207.90	\$1.68
Elizabeth Newman	Cumberland	08713	137	0.38	BF 14	6	76	55.5	0.33	3.7	1.00	3.70	13	Choice+	47.6	\$3.15	\$239.40	\$1.75
Elijah Osborne	Grayson	76724	137	0.35	BF 14	7	77	56.2	0.20	2.4	0.85	3.30	12	Choice°	47.6	\$3.15	\$242.55	\$1.77
Katie Stogdale	Augusta	76456	140	0.49	BF 15	2	84	60.0	0.26	3.0	0.95	3.80	13	Choice+	47.7	\$3.15	\$264.60	\$1.89
Jack Redifer	Montgomery	8404	118	0.35	BF 6	3	65	55.1	0.23	2.7	0.85	2.95	13	Choice+	47.7	\$3.15	\$204.75	\$1.74
Sidnie Saville	Montgomery	8612	132	0.54	BF 12	4	78	59.1	0.33	3.7	1.10	3.95	13	Choice+	47.7	\$3.15	\$245.70	\$1.86
Madison Powell	Augusta	76473	131	0.38	BF 11	3	80	61.1	0.21	2.5	0.85	3.45	13	Choice+	47.7	\$3.15	\$252.00	\$1.92
Jenna Bostic	Craig	8627	121	0.62	BF 7	Res. Div. III	67	55.4	0.23	2.7	0.75	2.90	13	Choice+	47.7	\$3.15	\$211.05	\$1.74
Megan Perfater	Montgomery	76750	123	0.21	BF 8	4	72	58.5	0.23	2.7	0.80	3.15	11	Choice+	47.7	\$3.15	\$226.80	\$1.84
Abby Durham	Stafford	08722	126	0.58	SF 1	3	72	57.1	0.24	2.8	0.75	3.10	12	Choice°	47.7	\$3.15	\$226.80	\$1.80
Jack Redifer	Montgomery	8409	139	0.49	BF 15	1	77	55.4	0.27	3.1	0.80	3.40	13	Choice+	47.8	\$3.15	\$242.55	\$1.74
Katie Stogdale	Augusta	76457	128	0.30	BF 10	3	75	58.6	0.28	3.2	1.00	3.65	13	Choice+	47.8	\$3.15	\$236.25	\$1.85
Sarah-Jane French	Cumberland	77011	138	0.46	BF 14	2	82	59.4	0.28	3.2	1.00	3.90	13	Choice+	47.8	\$3.15	\$258.30	\$1.87
Caleb Durham	Stafford	96624	140	0.55	SF 2	3	81	57.9	0.25	2.9	0.80	3.55	13	Choice+	47.9	\$3.15	\$255.15	\$1.82
McKenzie Osborne	Grayson	76737	127	0.26	BF 10	5	73	57.5	0.16	2.0	0.65	2.90	12	Choice°	47.9	\$3.15	\$229.95	\$1.81
Luke Redifer	Montgomery	8587	121	0.41	BF 7	3	69	57.0	0.21	2.5	0.75	3.00	12	Choice+	47.9	\$3.15	\$217.35	\$1.80
Camille Mitchell	Chesapeake	76856	136	0.04	BF 13	8	83	61.0	0.23	2.7	0.80	3.60	13	Choice+	47.9	\$3.15	\$261.45	\$1.92
Caley Ellington	Rockingham	76311	114	0.44	BF 5	6	67	58.8	0.24	2.8	0.75	3.00	13	Choice+	47.9	\$3.15	\$211.05	\$1.85
John Thomas Heyl	Clarke	76434	101	0.52	SF 1	2	58	57.4	0.21	2.5	0.75	2.65	11	Choice°	48.0	\$3.15	\$182.70	\$1.81
Jordan Newman	Cumberland	08720	101	0.48	BF 1	3	62	61.4	0.27	3.1	0.75	2.90	12	Choice+	48.0	\$3.15	\$195.30	\$1.93
McKenzie Osborne	Grayson	76739	120	0.37	BF 7	8	69	57.5	0.23	2.7	0.90	3.30	12	Choice+	48.0	\$3.15	\$217.35	\$1.81

2014 State Fair of Virginia Lamb Carcass Contest

Exhibitor	County	VSF ID	Live Weight	Live ADG	Live Class	Live Placing	Carcass Wt.	Dress. %	Adj. FT	Yield Grade	Body Wall	LMA	Leg Score	Quality Grade	% BTRC	Carcass Price/lb.	Carcass Value \$/hd	Equivalent Live Price/lb.	
Blue (cont.)																			
Cheyenne Parnell	Carroll	8568	121	0.47	BF 7	6	78	64.5	0.28	3.2	0.90	3.70	13	Choice+	48.0	\$3.15	\$245.70	\$2.03	
Abby Durheim	Stafford	08721	115	0.49	WF	2	68	59.1	0.18	2.2	0.70	2.90	12	Choice°	48.0	\$3.15	\$214.20	\$1.86	
Maggie Huffman	Craig	8617	122	0.37	BF 8	2	75	61.5	0.30	3.4	1.00	3.80	13	Choice+	48.1	\$3.15	\$236.25	\$1.94	
Emilie Webb	Shenandoah	76334	117	0.23	BF 5	1	70	59.8	0.28	3.2	1.00	3.60	13	Choice+	48.1	\$3.15	\$220.50	\$1.88	
Hannah Hass	Tazewell	76810	119	0.60	BF 6	7	67	56.3	0.15	1.9	0.60	2.70	12	Choice°	48.1	\$3.15	\$211.05	\$1.77	
Emmalee Edwards	Craig	8592	150	0.48	BF 18	Res. Div. VI	79	52.7	0.22	2.6	0.80	3.55	13	Choice+	48.2	\$3.15	\$248.85	\$1.66	
Jake Bostic	Craig	8629	137	0.56	BF 14	1	80	58.4	0.25	2.9	0.90	3.80	13	Choice+	48.2	\$3.15	\$252.00	\$1.84	
Blake Hall	Montgomery	8638	132	0.53	BF 12	5	75	56.8	0.21	2.5	0.75	3.35	13	Choice+	48.2	\$3.15	\$236.25	\$1.79	
John Thomas Heyl	Clarke	76432	128	0.51	BF 10	4	76	59.4	0.24	2.8	0.85	3.60	13	Choice+	48.3	\$3.15	\$239.40	\$1.87	
Kaylyn Beach	Rockingham	76516	126	0.49	BF 9	2	68	54.0	0.24	2.8	0.75	3.20	13	Choice+	48.3	\$3.15	\$214.20	\$1.70	
Ryan Gobble	Washington	76702	135	0.34	BF 13	Ch. Div. V Res. Grand Ch.	75	55.6	0.20	2.4	0.80	3.45	13	Choice+	48.4	\$3.15	\$236.25	\$1.75	
Jordan Childs	Clarke	76566	136	0.60	BF 13	9	71	52.2	0.26	3.0	0.85	3.50	12	Choice+	48.4	\$3.15	\$223.65	\$1.64	
Luke Redifer	Montgomery	8584	117	0.50	BF 5	3	67	57.3	0.21	2.5	0.75	3.15	12	Choice°	48.4	\$3.15	\$211.05	\$1.80	
Daniel Campbell	Nelson	08546	121	0.41	BF 7	4	68	56.2	0.27	3.1	0.75	3.30	12	Choice+	48.4	\$3.15	\$214.20	\$1.77	
Bridgette Strong	Chesapeake	76839	139	0.42	BF 15	8	79	56.8	0.18	2.2	0.70	3.45	13	Choice°	48.5	\$3.15	\$248.85	\$1.79	
Jordan Newman	Cumberland	08717	142	0.29	BF 16	8	80	56.3	0.25	2.9	0.80	3.80	13	Choice+	48.6	\$3.15	\$252.00	\$1.77	
Kennedy Whetzel	Shenandoah	08363	143	0.35	BF 16	6	79	55.2	0.18	2.2	0.70	3.50	12	Choice°	48.6	\$3.15	\$248.85	\$1.74	
Rachel Craun	Rockingham	76369	133	0.44	BF 12	2	75	56.4	0.20	2.4	0.70	3.40	12	Choice+	48.6	\$3.15	\$236.25	\$1.78	
Caleb Gray	Page	76485	107	0.45	BF 3	2	61	57.0	0.19	2.3	0.70	2.90	13	Choice°	48.6	\$3.15	\$192.15	\$1.80	
Bradley Custer	Shenandoah	96743	146	0.44	BF 17	3	80	54.8	0.28	3.2	1.00	4.15	13	Choice+	48.6	\$3.15	\$252.00	\$1.73	
Kaylyn Beach	Rockingham	76517	109	0.43	BF 3	3	59	54.1	0.27	3.1	0.75	3.05	12	Choice°	48.6	\$3.15	\$185.85	\$1.71	
Matthew Blankenship	Tazewell	76801	112	0.33	BF 4	10	61	54.5	0.14	1.8	0.55	2.60	11	Choice°	48.6	\$3.15	\$192.15	\$1.72	
Brady Childs	Clarke	76554	131	0.51	BF 11	8	64	48.9	0.20	2.4	0.75	3.10	12	Choice°	48.6	\$3.15	\$201.60	\$1.54	
Katie Stogdale	Augusta	76458	117	0.29	BF 5	4	68	58.1	0.24	2.8	0.75	3.35	12	Choice+	48.7	\$3.15	\$214.20	\$1.83	
William Lohr	Rockingham	76322	92	0.55	BF 1	5	46	50.0	0.18	2.2	0.65	2.35	11	Choice°	48.7	\$3.15	\$144.90	\$1.58	
Abby Durheim	Stafford	8566	139	0.52	BF 15	5	80	57.6	0.18	2.2	0.70	3.60	13	Choice°	48.7	\$3.15	\$252.00	\$1.81	
McGuire Osborne	Grayson	76729	124	0.39	BF 8	7	70	56.5	0.18	2.2	0.70	3.30	12	Choice°	48.8	\$3.15	\$220.50	\$1.78	
Elizabeth Newman	Cumberland	08711	138	0.31	BF 15		88	63.8	0.28	3.2	0.80	4.25	13	Choice+	48.9	\$3.15	\$277.20	\$2.01	
Matthew Ferrari	Loudoun	76481	134	0.31	BF 12	1	82	61.2	0.25	2.9	0.80	4.00	13	Choice+	48.9	\$3.15	\$258.30	\$1.93	
Abby Durheim	Stafford	08563	97	0.50	SD	5	54	55.7	0.21	2.5	0.75	2.90	11	Choice°	48.9	\$3.15	\$170.10	\$1.75	
McKenzie Osborne	Grayson	76738	137	0.39	BF 14	8	75	54.7	0.17	2.1	0.60	3.35	12	Choice°	48.9	\$3.15	\$236.25	\$1.72	
Matthew Blankenship	Tazewell	76802	122	0.48	BF 8	9	68	55.7	0.23	2.7	0.80	2.75	11	Choice°	47.1	\$3.15	\$214.20	\$1.76	
Kaylyn Beach	Rockingham	76519	162	0.62	BF 20	4	88	54.3	0.25	2.9	0.90	3.45	13	Choice+	46.7	\$3.15	\$277.20	\$1.71	
Jack Redifer	Montgomery	8401	131	0.24	BF 11	Ch. Div. IV Grand Champ.	82	62.6	0.25	2.9	1.10	3.20	13	Prime-	45.9	\$3.15	\$258.30	\$1.97	
68 Blue Carcasses Average			126	0.42			71.8	56.8	0.23	2.7	0.79	3.33	12.4		48.2	\$3.15	\$226.06	\$1.79	

2014 State Fair of Virginia Lamb Carcass Contest

Exhibitor	County	VSF ID	Live Weight	Live ADG	Live Class	Live Placing	Carcass Wt.	Dress. %	Adj. FT	Yield Grade	Body Wall	LMA	Leg Score	Quality Grade	% BTRC	Carcass Price/lb.	Carcass Value \$/hd	Equivalent Live Price/lb.
Red																		
Luke Whitacre	Shenandoah	08365	147	0.70	BF 17	11	81	55.1	0.29	3.3	0.95	3.65	13	Choice+	47.4	\$3.15	\$255.15	\$1.74
Luke Redifer	Montgomery	8590	121	0.35	BF 7	2	73	60.3	0.29	3.3	0.95	3.35	13	Choice+	47.4	\$3.15	\$229.95	\$1.90
Tyler Roney	Botetourt	77020	164	0.64	BF 20	6	96	58.5	0.29	3.3	0.85	4.00	14	Choice+	47.3	\$3.15	\$302.40	\$1.84
Tara Burner	Clarke	76513	131	0.28	BF 11	7	78	59.5	0.31	3.5	0.95	3.55	13	Choice+	47.3	\$3.15	\$245.70	\$1.88
Emilie Webb	Shenandoah	76342	110	0.33	BF 4	Ch. Div. II	69	62.7	0.26	3.0	0.95	3.15	12	Choice ^o	47.3	\$3.15	\$217.35	\$1.98
Ben Gray	Page	76487	106	0.46	BF 3	5	63	59.4	0.29	3.3	0.85	2.85	12	Choice+	47.3	\$3.15	\$198.45	\$1.87
Courtney Perfater	Montgomery	76757	141	0.45	BF 16	9	85	60.3	0.35	3.9	1.10	4.05	12	Choice+	47.3	\$3.15	\$267.75	\$1.90
Megan Perfater	Montgomery	76752	143	0.31	BF 16	4	88	61.5	0.34	3.8	1.05	4.05	13	Choice+	47.2	\$3.15	\$277.20	\$1.94
Madison Powell	Augusta	76474	144	0.20	BF 17	6	84	58.3	0.29	3.3	0.95	3.65	13	Choice+	47.2	\$3.15	\$264.60	\$1.84
Ryan Gobble	Washington	76700	131	0.32	BF 11	4	78	59.5	0.35	3.9	1.00	3.60	13	Choice+	47.1	\$3.15	\$245.70	\$1.88
Leah Greiner	Montgomery	8603	126	0.30	WF	Ch. Div. I	75	59.5	0.33	3.7	1.00	3.45	12	Choice+	47.1	\$3.15	\$236.25	\$1.88
Leah Greiner	Montgomery	8604	135	0.51	BF 13	4	85	63.0	0.29	3.3	1.05	3.75	13	Choice+	47.0	\$3.15	\$267.75	\$1.98
Kori Simmons	Augusta	76410	131	0.40	BF 11	Res. Div. IV 4th Overall	76	58.0	0.29	3.3	0.85	3.15	13	Choice+	47.0	\$3.15	\$239.40	\$1.83
Kaylee Greiner	Montgomery	08559	139	0.33	SF 2	Res. Div. I	81	58.3	0.28	3.2	0.90	3.35	12	Choice+	46.9	\$3.15	\$255.15	\$1.84
Mallory Unger	Clarke	76507	147	0.60	BF 17	7	82	55.8	0.33	3.7	1.10	3.75	13	Choice+	46.9	\$3.15	\$258.30	\$1.76
Shaina Beach	Rockingham	76532	133	0.64	BF 12	3	73	54.9	0.28	3.2	0.90	3.05	12	Choice+	46.8	\$3.15	\$229.95	\$1.73
Jackson Lohr	Rockingham	76318	121	0.43	SD	1	64	52.9	0.29	3.3	0.95	2.80	12	Choice+	46.8	\$3.15	\$201.60	\$1.67
Sarah-Jane French	Cumberland	77014	126	0.31	SF 1	1	75	59.5	0.31	3.5	1.05	3.35	13	Choice+	46.7	\$3.15	\$236.25	\$1.88
Cheyenne Parnell	Carroll	8569	125	0.64	BF 9	5	76	60.8	0.30	3.4	0.90	3.15	13	Choice+	46.7	\$3.15	\$239.40	\$1.92
Lindsey Mullins	Charlotte	08530	130	0.39	BF 10	6	70	53.8	0.31	3.5	0.95	3.00	12	Choice+	46.7	\$3.15	\$220.50	\$1.70
Emmalee Edwards	Craig	8594	165	0.44	BF 20	Ch. Div. VI 5th Overall	90	54.5	0.28	3.2	1.00	3.70	13	Choice+	46.6	\$3.15	\$283.50	\$1.72
Jack Redifer	Montgomery	8403	143	0.30	BF 16	Res. Div. V 3rd Overall	83	58.0	0.35	3.9	1.10	3.70	13	Choice+	46.6	\$3.15	\$261.45	\$1.83
Ella Warns	Rockingham	76374	143	0.48	BF 16	3	85	59.4	0.35	3.9	1.30	4.05	13	Choice+	46.6	\$3.15	\$267.75	\$1.87
Jordan Newman	Cumberland	08719	137	0.44	BF 14	5	79	57.7	0.34	3.8	1.05	3.45	13	Choice+	46.5	\$3.15	\$248.85	\$1.82
Matthew Blankenship	Tazewell	76804	129	0.39	WF	5	69	53.5	0.28	3.2	0.90	2.75	11	Choice ^o	46.4	\$3.15	\$217.35	\$1.68
Katie Stogdale	Augusta	76460	131	0.19	BF 11	5	75	57.3	0.29	3.3	0.95	2.95	12	Choice+	46.2	\$3.15	\$236.25	\$1.80
Blake Hall	Montgomery	8639	148	0.51	BF 17	9	84	56.8	0.33	3.7	1.00	3.40	13	Choice+	46.2	\$3.15	\$264.60	\$1.79
Rachel Craun	Rockingham	76370	162	0.50	BF 20	3	93	57.4	0.30	3.4	1.00	3.65	13	Choice+	46.2	\$3.15	\$292.95	\$1.81
Cassie Simmons	Augusta	76401	151	0.49	BF 18	5	82	54.3	0.35	3.9	1.10	3.50	13	Choice+	46.2	\$3.15	\$258.30	\$1.71
Kayla Kelley	Stafford	08550	142	0.53	SF 2	5	82	57.7	0.31	3.5	0.85	3.05	11	Choice+	46.1	\$3.15	\$258.30	\$1.82
Cassie Simmons	Augusta	76394	155	0.50	BF 19	1	90	58.1	0.31	3.5	1.05	3.45	13	Choice+	45.7	\$3.15	\$283.50	\$1.83
Amanda Bowman	Montgomery	77051	156	0.64	BF 19	9	94	60.3	0.33	3.7	1.10	3.65	13	Choice+	45.6	\$3.15	\$296.10	\$1.90
Camille Mitchell	Chesapeake	76855	148	0.18	BF 17	4	88	59.5	0.31	3.5	1.10	3.20	13	Choice+	45.1	\$3.15	\$277.20	\$1.87
Cheyenne Parnell	Carroll	8565	155	0.70	BF 19	8	97	62.6	0.35	3.9	1.10	3.45	13	Choice+	44.8	\$3.15	\$305.55	\$1.97
34 Red Carcasses Average			139	0.44			80.7	58.2	0.31	3.5	1.00	3.43	12.6		46.6	\$3.15	\$254.13	\$1.83

2014 State Fair of Virginia Lamb Carcass Contest

Exhibitor	County	VSF ID	Live Weight	Live ADG	Live Class	Live Placing	Carcass Wt.	Dress. %	Adj. FT	Yield Grade	Body Wall	LMA	Leg Score	Quality Grade	% BTRC	Carcass Price/lb.	Carcass Value \$/hd	Equivalent Live Price/lb.
Pink																		
McGuire Osborne	Grayson	76733	120	0.27	BF 7	9	66	55.0	<u>0.10</u>	1.4	0.40	3.05	12	Choice-	50.0	\$3.15	\$207.90	\$1.73
McGuire Osborne	Grayson	76731	107	0.35	BF 3	9	59	55.1	<u>0.10</u>	1.4	0.50	<u>2.25</u>	11	Choice°	48.3	\$3.15	\$185.85	\$1.74
Cody Boden	Frederick	76501	113	0.54	BF 4	Res. Div. II	63	55.8	0.20	2.4	0.70	<u>2.60</u>	12	Choice°	47.6	\$3.15	\$198.45	\$1.76
Chet Boden	Frederick	76498	116	0.53	BF 5	8	65	56.0	<u>0.40</u>	<u>4.4</u>	1.10	3.30	13	Choice+	46.9	\$3.15	\$204.75	\$1.77
Camille Mitchell	Chesapeake	76854	138	0.25	BF 14	4	83	60.1	<u>0.38</u>	<u>4.2</u>	1.10	3.85	13	Choice+	46.8	\$3.15	\$261.45	\$1.89
Kori Simmons	Augusta	76413	124	0.58	BF 8	Ch. Div. III	69	55.6	0.31	3.5	0.80	<u>2.70</u>	12	Choice+	46.5	\$3.15	\$217.35	\$1.75
Elizabeth Newman	Cumberland	08706	109	0.59	BF 3	1	60	55.0	0.26	3.0	0.95	<u>2.50</u>	13	Choice+	46.5	\$3.15	\$189.00	\$1.73
Shaina Beach	Rockingham	76531	126	0.55	BF 9	6	68	54.0	0.30	3.4	0.85	<u>2.70</u>	12	Choice+	46.5	\$3.15	\$214.20	\$1.70
Caleb Gray	Page	76486	126	0.29	BF 9	8	72	57.1	<u>0.38</u>	<u>4.2</u>	1.10	3.25	13	Choice+	46.3	\$3.15	\$226.80	\$1.80
Tara Burner	Clarke	76514	146	0.41	BF 17	8	84	57.5	<u>0.36</u>	<u>4.0</u>	1.05	3.55	13	Choice+	46.2	\$3.15	\$264.60	\$1.81
Courtney Perfater	Montgomery	76755	153	0.31	BF 19	5	92	60.1	<u>0.47</u>	<u>5.1</u>	1.15	4.15	13	Choice+	46.2	\$3.15	\$289.80	\$1.89
Emilie Webb	Shenandoah	76335	136	0.37	BF 13	7	79	58.1	<u>0.39</u>	<u>4.3</u>	1.15	3.55	13	Choice+	46.2	\$3.15	\$248.85	\$1.83
Leah Greiner	Montgomery	8608	126	0.34	BF 9	3	79	62.7	<u>0.39</u>	<u>4.3</u>	1.15	3.55	13	Choice+	46.2	\$3.15	\$248.85	\$1.98
Zane Redifer	Montgomery	8580	153	0.57	BF 19	2	93	60.8	<u>0.40</u>	<u>4.4</u>	1.25	4.15	13	Choice+	46.1	\$3.15	\$292.95	\$1.91
James Weadon	Stafford	96622	138	0.56	BF 15	7	82	59.4	<u>0.39</u>	<u>4.3</u>	1.05	3.45	13	Choice+	46.0	\$3.15	\$258.30	\$1.87
Zane Redifer	Montgomery	8573	152	0.59	BF 18	3	92	60.5	<u>0.41</u>	<u>4.5</u>	1.25	4.10	13	Choice+	46.0	\$3.15	\$289.80	\$1.91
Matthew Blankenship	Tazewell	76800	141	0.30	SF 2	8	75	53.2	0.30	3.4	0.90	<u>2.75</u>	12	Choice+	45.8	\$3.15	\$236.25	\$1.68
Blake Hall	Montgomery	8635	133	0.33	SF 2	4	76	57.1	<u>0.36</u>	<u>4.0</u>	1.05	3.10	13	Choice+	45.8	\$3.15	\$239.40	\$1.80
Tyler Roney	Botetourt	77025	132	0.54	BF 12	7	75	56.8	<u>0.36</u>	<u>4.0</u>	1.05	3.05	12	Choice+	45.8	\$3.15	\$236.25	\$1.79
Hunter May	Rockingham	76383	130	0.38	SD	6	77	59.2	0.32	3.6	0.90	<u>2.80</u>	12	Choice+	45.7	\$3.15	\$242.55	\$1.87
Sarah-Jane French	Cumberland	77012	154	0.39	BF 19	7	91	59.1	<u>0.43</u>	<u>4.7</u>	1.20	3.90	13	Choice+	45.7	\$3.15	\$286.65	\$1.86
Sidnie Saville	Montgomery	8613	138	0.48	BF 15	6	82	59.4	<u>0.38</u>	<u>4.2</u>	1.10	3.35	13	Choice+	45.7	\$3.15	\$258.30	\$1.87
Isaiah Osborne	Grayson	76718	159	0.38	BF 20	8	92	57.9	<u>0.40</u>	<u>4.4</u>	1.20	3.75	13	Choice+	45.4	\$3.15	\$289.80	\$1.82
Sarah-Jane French	Cumberland	77013	144	0.19	BF 17	1	89	61.8	<u>0.41</u>	<u>4.5</u>	1.25	3.70	13	Choice+	45.3	\$3.15	\$280.35	\$1.95
Madison Powell	Augusta	76472	152	0.29	SF 2	2	86	56.6	<u>0.38</u>	<u>4.2</u>	1.10	3.30	12	Choice+	45.2	\$3.15	\$270.90	\$1.78
Elijah Osborne	Grayson	76725	124	0.33	BF 8	6	72	58.1	<u>0.38</u>	<u>4.2</u>	1.05	<u>2.70</u>	13	Choice+	45.1	\$3.15	\$226.80	\$1.83
Daniel Campbell	Nelson	08547	151	0.34	SF 2		84	55.6	<u>0.40</u>	<u>4.4</u>	1.10	3.20	13	Choice+	45.0	\$3.15	\$264.60	\$1.75
Jordan Newman	Cumberland	08718	157	0.55	BF 20	5	86	54.8	<u>0.44</u>	<u>4.8</u>	1.25	3.40	13	Choice+	44.7	\$3.15	\$270.90	\$1.73
Zane Redifer	Montgomery	8576	138	0.43	BF 15	3	85	61.6	<u>0.46</u>	<u>5.0</u>	1.30	3.45	12	Prime-	44.6	\$3.15	\$267.75	\$1.94
Ryan Borer	Botetourt	77045	159	0.30	BF 20	7	97	61.0	<u>0.39</u>	<u>4.3</u>	1.25	3.65	13	Choice+	44.6	\$3.15	\$305.55	\$1.92
Elizabeth Newman	Cumberland	08712	141	0.30	BF 16	7	83	58.9	<u>0.43</u>	<u>4.7</u>	1.20	3.15	13	Choice+	44.5	\$3.15	\$261.45	\$1.85
Michael Roney	Botetourt	77031	157	0.70	SF 2	6	92	58.6	<u>0.65</u>	<u>6.9</u>	1.40	4.05	13	Choice+	44.3	\$3.15	\$289.80	\$1.85
Kennedy Whetzel	Shenandoah	08364	150	0.37	BF 18	8	86	57.3	<u>0.45</u>	<u>4.9</u>	1.20	3.15	13	Choice+	44.2	\$3.15	\$270.90	\$1.81
Caleb Boden	Frederick	76495	134	0.36	SD	2	75	56.0	<u>0.46</u>	<u>5.0</u>	1.35	<u>2.80</u>	12	Prime-	43.7	\$3.15	\$236.25	\$1.76
34 Pink Carcasses Average			138	0.41			79.7	57.8	0.37	4.1	1.07	3.29	12.6		45.9	\$3.15	\$250.98	\$1.82
141 Total Contest Carcasses Average			131	0.42			75.3	57.3	0.28	3.2	0.90	3.34	12.5		47.3	\$3.15	\$237.21	\$1.81

2014 State Fair of Virginia Lamb Carcass Contest

Exhibitor	County	VSF ID	Live Weight	Live ADG	Live Class	Live Placing	Carcass Wt.	Dress. %	Adj. FT	Yield Grade	Body Wall	LMA	Leg Score	Quality Grade	% BCTRC	Carcass Price/lb.	Carcass Value \$/hd	Equivalent Live Price/lb.	
Additional Lambs																			
Amanda Bowman	Montgomery	08543	134	0.50	NA	NA	70	52.2	0.21	2.5	0.85	<u>2.50</u>	12	Choice°	46.2	\$3.15	\$220.50	\$1.65	
Amanda Bowman	Montgomery	77053	147	0.49	NA	NA	81	55.1	0.34	3.8	1.05	3.25	12	Choice+	45.9	\$3.15	\$255.15	\$1.74	
Ryan Gobble	Washington	76703	137	0.37	NA	NA	76	55.5	0.24	2.8	0.75	3.40	12	Choice+	48.1	\$3.15	\$239.40	\$1.75	
McGuire Osborne	Grayson	76732	128	0.24	NA	NA	74	57.8	0.20	2.4	0.70	3.05	12	Choice+	47.8	\$3.15	\$233.10	\$1.82	
McKenzie Osborne	Grayson	76735	108	0.20	ewe BF 2	8	61	56.5	0.18	2.2	0.70	3.00	12	Choice°	48.9	\$3.15	\$192.15	\$1.78	
Cheyenne Parnell	Carroll	8564	148	0.51	NA	NA	91	61.5	<u>0.38</u>	<u>4.2</u>	1.10	3.45	13	Choice+	45.1	\$3.15	\$286.65	\$1.94	
Cheyenne Parnell	Carroll	08566	138	0.50	NA	NA	76	55.1	0.27	3.1	0.75	3.25	13	Choice+	47.6	\$3.15	\$239.40	\$1.73	
Courtney Perfater	Montgomery	76754	78	0.11	Feeder		45	57.7	<u>0.10</u>	1.4	0.40	2.60	11	Choice-	50.7	\$3.15	\$141.75	\$1.82	
Tyler Roney	Botetourt	77022	132	0.53	ewe BF 6	12	77	58.3	0.34	3.8	1.05	4.10	13	Choice+	48.3	\$3.15	\$242.55	\$1.84	
Tyler Roney	Botetourt	77023	138	0.48	ewe BF 7	13	81	58.7	<u>0.38</u>	<u>4.2</u>	1.00	3.25	12	Choice+	45.9	\$3.15	\$255.15	\$1.85	
Bridgette Strong	Chesapeake	76840	105	0.16	ewe BF 2	9	59	56.2	0.18	2.2	0.65	2.55	12	Choice+	48.1	\$3.15	\$185.85	\$1.77	