2017 State Fair of Virginia Beef Carcass Show

The 2017 State Fair of Virginia Beef Carcass Show was scored and premiums assigned in a similar manner to 2015 and 2016. Carcasses were ranked using the Beef Empire Days carcass index system with additional negative adjustments to carcasses possessing more than 0.80 in of 12th rib fat. This carcass index system adjusts a base carcass index of 100 based on hot carcass weight, 12th rib fat thickness, ribeye area, KPH, and USDA quality grade. This carcass index system rewards carcass that possess a balance of desirable carcass characteristics and removes some of the subjectivity involved with determining a carcass rank. The method used to calculate this carcass index can be found at: http://beefempiredays.com/wp-content/uploads/2016/02/Carcass-Index.pdf. Greater negative adjustments for carcasses having more than 0.80 in of 12th rib fat were made to account for the large variation observed in 12th fat thickness and to adequately penalize these carcasses for their unacceptability to the packing industry. The additional adjustment factors are as follows:

12th Rib Fat Thickness	Points
0.80 – 0.89	-55
0.90 – 0.99	-60
1.00 – 1.09	-65
> 1.09	-70

Once carcass rank was determined, carcasses were broken into premium groups based on natural breaks in the calculated carcass index. Size and number of carcass premium groups vary from year-to-year to reflect differences in carcass entries. Additional carcass premiums are supported by the Virginia Cattle Feeders Association for carcasses that reflect current industry standards. These carcass specifications and premium levels are listed in the State Fair of Virginia Junior Beef Cattle Show rules (https://ext.vt.edu/content/dam/ext_vt_edu/topics/4h-youth/youth-livestock/shows/state-fair/2017/17-sfva-beef-rules.pdf).

Overall Market Beef Ranking was determined by combining carcass rank and live animal placing by normalizing both live and carcass placings to 100 points and then calculating a weighted average of the 2 scores. Carcass placing accounted for 60% of the weighted average and live placing accounted for 40% of the weighted average. Carcass placing is given greater weight and is more objective than the live placing. The top 5 Overall Market Beef Animals were awarded premiums as described in the State Fair of Virginia Junior Beef Cattle Show rules. If you have any questions regarding the results of the State Fair of Virginia Beef Carcass Show, feel free to contact Dr. Bain Wilson by email (tbwilson@vt.edu) or phone (540-231-5253)

Exhibitor Name	County	SFVA ID	Live Wt	Live Placing	Carcass Wt	Dressing %	Overall Maturity	Marbling	Quality Grade	12th Rib Fat	Ribeye Area	% KPH	Yield Grade	Carcass Index
Jenna Kibler	Shenandoah	5018	1305	Reserve	824	63.1	A^{40}	Modest^{60}	Choice^0	0.60	16.4	2.0	2.28	116.56
Sidnie Saville	Montgomery	7108	1370	4	978	60.4	A^{40}	Modest^{10}	Choice^0	0.28	16.5	2.0	2.04	140.82
Houston Kibler	Shenandoah	5016	1620	Grand	876	63.9	A^{40}	Moderate^{10}	Choice$^+$	0.70	15.1	2.5	3.25	102.94
Jordan Newman	Cumberland	229	1250	4	730	64.3	A^{40}	Small^{80}	Choice $^-$	0.24	15.0	1.5	1.37	111.75
Meghan Perfator	Montgomery	5088	1145	1	781	62.5	A^{40}	Modest^{00}	Choice^0	0.76	13.9	2.5	3.42	93.64
Taylor Miller	Loudoun	6778	1135	1	697	60.9	A^{40}	Small^{50}	Choice $^-$	0.52	14.0	2.0	2.37	88.57
Camille Mitchell	Virginia Beach	222	1250	5	776	62.1	A^{40}	Small^{00}	Choice $^-$	0.36	13.3	2.0	2.49	100.94
Jessie Clark	Culpeper	5053	1170	3	753	64.4	A^{40}	Slight^{50}	Select$^+$	0.44	14.9	2.0	2.09	83.32
Sarah-Jane French	Cumberland	223	1350	2	886	65.6	A^{40}	Small^{60}	Choice $^-$	0.60	13.7	1.5	3.28	70.34
Sarah-Jane French	Cumberland	224	1080	4	852	62.9	A^{40}	Slight^{80}	Select$^+$	0.40	14.2	2.0	2.59	79.88
Madison Powell	Augusta	5037	1355	6	840	63.9	A^{40}	Small^{20}	Choice $^-$	0.60	15.9	3.0	2.70	80.1
Sydney Armstrong	Highland	6827	1315	1	631	58.4	A^{50}	Slight^{10}	Select$^-$	0.28	11.8	1.5	2.12	57.59
Jenna Kibler	Shenandoah	5017	1370	5	946	69.1	A^{40}	Small^{20}	Choice $^-$	0.68	16.0	2.5	3.17	68.24

Exhibitor Name	County	SFVA ID	Carcass Group	Carcass Price/cwt	Carcass value, $/hd	Equivalent live price/cwt	Carcass Premium	Virginia Cattle Feeders Assn. Premium	Overall Ranking	Overall Ranking Premium
Jenna Kibler	Shenandoah	5018	B	$173.00	$1,425.52	$109.24	$150		1	$500
Sidnie Saville	Montgomery	7108	A	$173.00	$1,692.00	$104.44	$250		2	$400
Houston Kibler	Shenandoah	5016	C	$173.00	$1,515.48	$110.62	$65		3	$250
Jordan Newman	Cumberland	229	B	$173.00	$1,263.00	$111.27	$80	$150	4	$200
Meghan Perfator	Montgomery	5088	D	$173.00	$1,351.25	$108.09	$50		5	$150
Taylor Miller	Loudoun	6778	D	$173.00	$1,206.00	$105.31	$50		6	
Camille Mitchell	Virginia Beach	222	C	$173.00	$1,342.50	$107.40	$65	$150	7	
Jessie Clark	Culpeper	5053	D	$168.00	$1,265.25	$108.12	$50		8	
Sarah-Jane French	Cumberland	223	E	$173.00	$1,533.00	$113.54	$40		9	
Sarah-Jane French	Cumberland	224	E	$168.00	$1,431.50	$105.64	$40		10	
Madison Powell	Augusta	5037	E	$173.00	$1,453.25	$110.51	$40		11	
Sydney Armstrong	Highland	6827	F	$168.00	$1,060.25	$98.16	$30		12	
Jenna Kibler	Shenandoah	5017	E	$173.00	$1,636.75	$119.46	$40		13	