

2016 State Fair of Virginia Beef Carcass Show

The 2016 State Fair of Virginia Beef Carcass Show was scored and premiums assigned in a similar manner to 2015. 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:

12 th 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 float 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.

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 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).

**2016 State Fair of Virginia
Beef Carcass Show and
Overall Market Beef Show**

Animal ID	Exhibitor Name	County	Live Wt	Carcass Wt	Skeletal Maturity	Lean Maturity	Overall Maturity	Marbling	Quality Grade	12th Rib Fat	Preliminary Yield Grade	Ribeye Area	% KPH	Yield Grade	Carcass Index	Live Placing	Carcass Group	Carcass Premium	Overall Ranking	Overall Ranking Premium	Virginia Feeder Cattle Assn. Premium
252	Blake Hopkins	Louisa	1385	873	A ⁴⁰	A ⁵⁰	A ⁴⁰	Modest ⁵⁰	Choice ⁰	0.48	3.1	13.4	2.0	3.1	117.62	1	A	250	1	\$500.00	
245	Jessie Clark	Culpeper	1175	744	A ⁴⁰	A ⁵⁰	A ⁴⁰	Small ⁵⁰	Choice ⁻	0.36	2.3	13.9	2.5	2.3	104.67	3	B	150	4	\$200.00	\$150.00
271	Taylor Wright	Augusta	1165	693	A ⁵⁰	A ⁵⁰	A ⁵⁰	Small ³⁰	Choice ⁻	0.36	2.5	12.4	2.0	2.5	99.3	2	B	70	3	\$250.00	\$150.00
6900	Suter Clark	Pittsylvania	1270	806	.	.	A ³⁰	Small ⁴⁰	Choice ⁻	0.50	3.3	14.7	1.5	2.4	94.14	Reserve	B	70	2	\$400.00	\$150.00
221	Sarah Jane French	Cumberland	1300	833	A ⁵⁰	A ⁵⁰	A ⁵⁰	Small ⁴⁰	Choice ⁻	0.60	2.7	15.5	2.0	2.6	81.52	2	C	50	5	\$150.00	
5010	Meghan Perfator	Montgomery	1420	872	A ⁵⁰	A ⁵⁰	A ⁵⁰	Small ⁶⁰	Choice ⁻	0.60	3.3	14.5	2.5	3.2	73.18	3	C	50			
294	Meghan Perfator	Montgomery	1315	825	A ⁵⁰	A ⁵⁰	A ⁴⁰	SIAb ³⁰	Prime ⁻	1.20	5.2	12.8	3.5	5.2	71.5	3	C	50			
246	William Clark	Culpeper	1325	874	A ⁴⁰	A ⁶⁰	A ⁵⁰	Slight ⁷⁰	Select ⁺	0.52	2.4	16.3	2.0	2.3	71.06	4	C	50			
6728	Sydney Armstrong	Highland	1085	645	A ⁷⁰	A ⁵⁰	A ⁶⁰	Small ⁶⁰	Choice ⁻	0.64	2.9	12.8	2.0	2.9	70.48	1	C	50			
259	Roxanne Akers	Orange	1260	821	A ⁴⁰	A ⁵⁰	A ⁴⁰	SIAb ¹⁰	Prime ⁻	1.24	5.2	11.8	3.0	5.5	68.74	3	C	50			
272	James Marshall	Augusta	1350	895	.	.	A ⁷⁰	Small ¹⁰	Choice ⁻	0.75	3.9	14.2	1.5	3.5	60.3	Grand	D	40			
8745	Kyle Lutz	Shenandoah	1275	812	A ⁴⁰	A ⁴⁰	A ⁴⁰	Small ⁸⁰	Choice ⁻	0.76	3.5	14.6	3.0	3.4	58.28	2	D	40			
6775	Jenna Kibler	Shenandoah	1240	778	A ⁶⁰	A ⁵⁰	A ⁶⁰	Small ¹⁰	Choice ⁻	0.96	4.1	13.2	2.5	4.1	40.32	4	E	30			