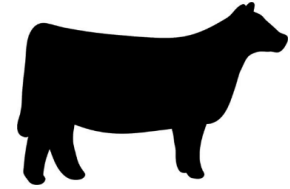


2024 Shenandoah County Fair Beef Ultrasound Carcass Competition



Tag	Last Name	First Name	WT	HCW	Rib Fat	REA	% IMF	KPH%	YG	%BCTRC	%RP	Quality Grade	Base Price	YG Adj	QG Adj	HCW adj	Adj Price	Payout	Live Value	Rank
6430	Perry	Anika	1235	784	0.36	15.1	05.45	3.5	2.64	51.52	71.59	Choice o	\$290.45	\$1.32	\$4.5	\$0	\$296.22	\$3,658.32	\$2.96	1
7167	Dove	Aubrey	1338	850	0.53	15.6	07.14	3.5	3.47	50.35	68.97	Choice +	\$290.45	\$0.00	\$4.5	\$0	\$294.90	\$3,945.76	\$2.95	2
2370	Lutz	Adelynn	1384	879	0.64	15.5	07.11	3.5	3.90	49.34	66.87	Choice +	\$290.45	\$0.00	\$4.5	\$0	\$294.90	\$4,081.42	\$2.95	3
6427	Heishman	J. Carter	1137	722	0.35	12.7	05.61	3.5	3.17	50.41	70.54	Choice o	\$290.45	\$0.00	\$4.5	\$0	\$294.90	\$3,353.01	\$2.95	4
6	Dotson	Carter	1254	796	0.46	14.2	05.15	3.5	3.17	50.15	69.29	Choice o	\$290.45	\$0.00	\$4.5	\$0	\$294.90	\$3,698.05	\$2.95	5
8777	Pool	Allie	1048	665	0.42	11.3	05.71	3.5	3.59	49.51	68.55	Choice o	\$290.45	\$0.00	\$4.5	\$0	\$294.90	\$3,090.55	\$2.95	6
6442	Sowers	Elianna	1122	712	0.69	13.5	05.89	3.5	3.79	49.11	64.85	Choice o	\$290.45	\$0.00	\$4.5	\$0	\$294.90	\$3,308.78	\$2.95	7
1351	Kibler	Landon	1368	869	0.55	14.0	05.97	3.5	3.89	48.84	67.65	Choice o	\$290.45	\$0.00	\$4.5	\$0	\$294.90	\$4,034.23	\$2.95	8
7168	Dove	Lillian	1315	835	0.58	15.2	06.07	3.5	3.48	49.85	67.82	Choice o	\$290.45	\$0.00	\$4.5	\$0	\$294.90	\$3,877.94	\$2.95	9
1	Lutz	Katelyn	1380	876	0.36	19.9	04.60	3.5	1.30	54.18	74.18	Choice -	\$290.45	\$3.41	\$0.0	\$0	\$293.86	\$4,055.27	\$2.94	10
5266	Povlish	Zachary	1212	770	0.20	16.9	05.46	3.5	1.61	53.92	75.41	Choice -	\$290.45	\$3.41	\$0.0	\$0	\$293.86	\$3,561.58	\$2.94	11
1314	Helsley	Natalie	1330	845	0.56	18.1	05.34	3.5	2.39	52.02	69.74	Choice -	\$290.45	\$1.50	\$0.0	\$0	\$291.95	\$3,882.94	\$2.92	12
9604	Showman	Ethan	1321	839	0.30	14.2	04.32	3.5	2.76	50.69	72.16	Choice -	\$290.45	\$1.32	\$0.0	\$0	\$291.77	\$3,854.28	\$2.92	13
6441	Eaton	Maggie	1239	787	0.38	13.8	04.83	3.5	2.99	50.42	70.61	Choice -	\$290.45	\$1.32	\$0.0	\$0	\$291.77	\$3,615.03	\$2.92	14
8196	Wakeman	Lane	1305	829	0.49	15.7	04.69	3.5	2.80	50.79	69.66	Choice -	\$290.45	\$1.32	\$0.0	\$0	\$291.77	\$3,807.60	\$2.92	15
8199	Wakeman	Lane	1151	731	0.61	14.6	04.29	3.5	2.99	50.21	66.89	Choice -	\$290.45	\$1.32	\$0.0	\$0	\$291.77	\$3,358.27	\$2.92	16
4	Hollar	Jackson	1458	926	0.23	16.3	04.96	3.5	2.37	51.84	74.61	Choice -	\$290.45	\$1.50	\$0.0	-\$1	\$291.18	\$4,245.40	\$2.91	17
6240	Kibler	Brant	1365	867	0.42	14.5	04.14	3.5	3.02	49.99	70.21	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$3,964.64	\$2.90	18
1266	Price	Emma	1390	883	0.72	16.8	04.52	3.5	3.18	49.79	66.16	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$4,037.26	\$2.90	19
6425	Heishman	J. Carter	1341	852	0.52	14.9	04.58	3.5	3.19	49.83	68.71	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$3,894.93	\$2.90	20
7418	Clark	Brooklyn	1332	846	0.56	15.1	04.79	3.5	3.24	49.80	68.14	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$3,868.79	\$2.90	21
1359	Clark	Brooklyn	1214	771	0.51	12.7	04.56	3.5	3.54	49.05	67.72	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$3,526.06	\$2.90	22
6426	Heishman	Fiona	1131	718	0.52	12.1	04.96	3.5	3.66	48.99	67.13	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$3,284.99	\$2.90	23
5374	Marston	Madison	1046	664	0.65	12.6	05.21	3.5	3.67	49.09	65.08	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$3,038.11	\$2.90	24
5954	Sowers	Elianna	1269	806	0.54	13.4	05.31	3.5	3.68	49.05	67.51	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$3,685.81	\$2.90	25
1277	Wright	Bayleigh	1388	881	0.73	15.6	05.41	3.5	3.76	48.86	65.33	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$4,031.45	\$2.90	26
5976	Wright	Bayleigh	1350	857	0.98	17.2	06.09	3.5	3.94	48.77	61.67	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$3,921.08	\$2.90	27
0001	Pangle	Colton	1408	894	0.76	15.7	05.11	3.5	3.82	48.59	64.76	Choice -	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$4,089.54	\$2.90	28
8597	Dellinger	Olivia	1298	824	0.71	17.6	06.47	3.5	3.07	50.99	66.84	Choice o	\$290.45	\$0.00	\$0.0	\$0	\$290.45	\$3,770.04	\$2.90	29
2371	Bowman	Kylen	1481	940	0.61	14.8	04.09	3.5	3.69	48.39	67.03	Choice -	\$290.45	\$0.00	\$0.0	-\$1	\$289.68	\$4,290.16	\$2.90	30
7145	Delawder	Wyatt	1539	977	0.62	16.8	05.03	3.5	3.39	49.49	67.91	Choice o	\$290.45	\$0.00	\$0.0	-\$1	\$289.68	\$4,458.18	\$2.90	31
16	Dirting	Leigha	1112	706	0.64	10.5	05.62	3.5	4.54	47.26	64.19	Choice +	\$290.45	-\$8.19	\$4.5	\$0	\$286.71	\$3,188.22	\$2.87	32

Tag	Last Name	First Name	WT	HCW	Rib Fat	REA	% IMF	KPH%	YG	%BCTRC	%RP	Quality Grade	Base Price	YG Adj	QG Adj	HCW adj	Adj Price	Payout	Live Value	Rank
7018	Price	Emma	1368	869	0.70	13.9	07.73	3.5	4.65	47.89	64.98	Choice +	\$290.45	-\$8.19	\$4.5	\$0	\$286.71	\$3,922.19	\$2.87	33
6422	Dellinger	Aubrey	1246	791	0.85	13.3	07.23	3.5	4.82	47.30	61.90	Choice +	\$290.45	-\$8.19	\$4.5	\$0	\$286.71	\$3,572.41	\$2.87	34
6419	Pence	Anderson	1510	959	0.62	15.1	06.83	3.5	4.23	48.39	66.93	Choice o	\$290.45	-\$8.19	\$4.5	-\$1	\$285.94	\$4,317.69	\$2.86	35
2367	Farmer	Nathaniel	1255	797	0.95	11.1	06.23	3.5	5.59	45.05	59.01	Choice o	\$290.45	-\$11.2	\$4.5	\$0	\$283.69	\$3,560.31	\$2.84	36
7169	Dysart	Samuel	1429	907	0.71	12.0	07.16	3.5	5.32	46.05	63.72	Choice +	\$290.45	-\$11.2	\$4.5	-\$1	\$282.92	\$4,042.93	\$2.83	37
2368	Farmer	Nathaniel	1349	857	0.90	12.1	04.27	3.5	4.98	45.54	60.39	Choice -	\$290.45	-\$8.19	\$0.0	\$0	\$282.26	\$3,807.69	\$2.82	38
5478	Lutz	Katelyn	1309	831	0.31	14.1	02.96	3.5	2.51	50.64	71.99	Select -	\$290.45	\$1.32	-\$16	\$0	\$275.72	\$3,609.17	\$2.76	39
0048	Pangle	Christopher	1145	727	0.39	12.5	03.68	3.5	2.98	49.95	69.68	Select +	\$290.45	\$1.32	-\$16	\$0	\$275.72	\$3,156.99	\$2.76	40
2369	Gilkerson	Weston	1468	932	0.35	15.8	03.94	3.5	2.64	50.76	72.21	Select +	\$290.45	\$1.32	-\$16	-\$1	\$274.95	\$4,036.27	\$2.75	41
6421	Showman	Ethan	1274	809	0.59	13.9	03.90	3.5	3.39	49.07	66.87	Select +	\$290.45	\$0.00	-\$16	\$0	\$274.40	\$3,495.86	\$2.74	42
6420	Belew	Preston	1279	812	0.50	12.9	03.81	3.5	3.48	48.80	67.88	Select +	\$290.45	\$0.00	-\$16	\$0	\$274.40	\$3,509.58	\$2.74	43

Explanation of Carcass Data Column Headings

WT: Final weight of the animal at the show

HCW: Hot Carcass Weight. Assumed 63.5% Dressing Percentage

Ribfat: actual fat thickness of the carcass over the loin eye between the 12th & 13th ribs

REA: Ribeye Area: true cross sectional area of the loin eye between the 12th & 13th ribs

%IMF: Percent Intramuscular fat, indicator trait for marbling score and component of Quality Grade

%KPH: Percent Kidney, Pelvic & Heart fat is estimated percentage of fat carcass weight in these areas

YG: Final Yield Grade: 0 - 5 rating of the expected amount of carcass retail product, lower yield grade number means higher expected retail product

%BCTRC: Percent Boneless Closely Trimmed Retail Cutability is, similar to Yield Grade, another estimate of the actual amount of true retail product in the steer carcass

% RP: % Retail Product: Regression formula to predict % red meat yield.

Quality Grade. Carcass Quality Grade: an estimation of the intramuscular fat content of the loin eye between the 12th and 13th ribs. These grades include Prime, Choice, Select and Standard and reflect the flavor contributors of the product such as juiciness and to some degree tenderness

Base Price: Carcass Base Price Based on USDA 5 Area Wt Avg. Direct Slaughter Cattle

YG adj: Carcass Price adjustment based on calculated yield grade

QG adj: Carcass Price adjustment based on Quality Grade

HCW adj: Carcass Price adjustment based on Quality Grade

Adj. Price: Final Grid Adjusted Carcass Price in \$/CWT.

Payout: Total value of steer based on \$Price/lb x weight in lb.

Live Value: Estimated Live Value of calf based on payout divided by live weight

Slaughter Cattle Premiums & Discounts with Base Price of \$290.45 September 2, 2024
 (Source: AMS LM_CT150&169)

Quality Grade	\$ Adj.	Yield Grade	\$ Adj.	Carcass Weight	\$ Adj.
Prime	\$16.88	1.00 - 1.99	\$3.41	500 - 549	-\$25.13
Choice/CAB	\$4.45	2.00 - 2.49	\$1.50	550 - 599	-\$3.48
Choice	\$0.00	2.50 - 2.99	\$1.32	600 - 899	\$0.00
		3.00 - 3.49	\$0.00	900 - 999	-\$0.77
Select	-\$16.05	3.50 - 3.99	\$0.00	1000 - 1050	\$2.73
Standard	-\$30.02	≥ 4.00-4.99	-\$8.19	≥ 1050	\$16.67
		≥ 5.00	-\$11.21		

Carcass Ranking System. Carcasses are ranked by Live Value (Greatest to least), Quality Grade (Prime/Choice/Select), Yield Grade (Lowest to highest), and % IMF (Greatest to least).

Scanning Conducted by:
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