

2023 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
2343	Wright	Madison	1272	808	0.41	15.6	05.86	03.50	02.31	51.37	70.97	Choice o	\$290.39	\$1.77	\$4.71	\$0.00	\$296.87	\$2,397.88	\$1.89	1
S107	Clark	Brooklyn	1368	869	0.55	15.8	07.39	03.50	02.83	50.15	68.57	Choice o	\$290.39	\$1.38	\$4.71	\$0.00	\$296.48	\$2,575.46	\$1.88	2
192	Kibler	Houston	1380	876	0.53	14.2	06.55	03.50	03.31	49.03	68.09	Choice o	\$290.39	\$0.00	\$4.71	\$0.00	\$295.10	\$2,585.96	\$1.87	3
183	Hollar	Jackson	1306	829	0.58	14.0	05.80	03.50	03.33	49.01	67.13	Choice o	\$290.39	\$0.00	\$4.71	\$0.00	\$295.10	\$2,447.29	\$1.87	4
7163	Hawkins	Olivia	1383	878	0.62	13.8	06.87	03.50	03.67	48.20	66.36	Choice o	\$290.39	\$0.00	\$4.71	\$0.00	\$295.10	\$2,591.58	\$1.87	5
S102	Belew	Preston	1406	893	0.57	17.0	05.72	03.50	02.59	50.68	68.87	Choice -	\$290.39	\$1.38	\$0.00	\$0.00	\$291.77	\$2,604.95	\$1.85	6
189	Lutz	Dylon	1399	888	0.48	16.1	06.59	03.50	02.61	50.64	70.09	Choice o	\$290.39	\$1.38	\$0.00	\$0.00	\$291.77	\$2,591.98	\$1.85	7
7148	Eaton	Maggie	1295	822	0.44	14.4	04.57	03.50	02.80	50.23	69.91	Choice -	\$290.39	\$1.38	\$0.00	\$0.00	\$291.77	\$2,399.30	\$1.85	8
200	Wright	Bayleigh	1335	848	0.63	16.9	05.98	03.50	02.60	50.68	67.81	Choice o	\$290.39	\$1.38	\$0.00	\$0.00	\$291.77	\$2,473.41	\$1.85	9
7161	Showman	Ethan	1027	652	0.39	12.5	04.14	03.50	02.66	50.65	69.69	Choice -	\$290.39	\$1.38	\$0.00	\$0.00	\$291.77	\$1,902.76	\$1.85	10
S101	Wakeman	Lane	1200	762	0.32	13.2	04.12	03.50	02.67	50.56	71.33	Choice -	\$290.39	\$1.38	\$0.00	\$0.00	\$291.77	\$2,223.29	\$1.85	11
100	Wakeman	Lane	1201	763	0.39	13.9	04.07	03.50	02.62	50.68	70.47	Choice -	\$290.39	\$1.38	\$0.00	\$0.00	\$291.77	\$2,225.14	\$1.85	12
S104	Pangle	Colton	1475	937	0.37	16.8	04.77	03.50	02.31	51.32	72.43	Choice -	\$290.39	\$1.77	\$0.00	-\$1.07	\$291.09	\$2,726.42	\$1.85	13
177	Baker	Edgar	1252	795	0.71	12.8	05.30	03.50	03.90	47.71	64.17	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,308.66	\$1.84	14
025	Kibler	Landon	1333	846	0.73	13.8	05.26	03.50	03.82	47.87	64.37	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,458.02	\$1.84	15
7155	Heishman	Fiona	1093	694	0.38	11.0	04.88	03.50	03.27	49.20	68.96	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,015.47	\$1.84	16
S103	Pangle	Christopher	1277	811	0.47	13.0	05.58	03.50	03.28	49.12	68.58	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,354.76	\$1.84	17
180	Biby	Chad	1376	874	0.42	13.9	04.83	03.50	03.12	49.48	69.88	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,537.31	\$1.84	18
191	Lutz	Katelyn	1297	824	0.62	13.5	04.78	03.50	03.56	48.48	66.13	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,391.64	\$1.84	19
184	Hollar	Taylor	1310	832	0.50	13.5	04.66	03.50	03.30	49.07	68.19	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,415.61	\$1.84	20
2347	Baker	Karlei	1402	890	0.66	14.6	04.50	03.50	03.56	48.45	66.05	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,585.26	\$1.84	21
7164	Pool	Allie	1179	749	0.39	12.1	04.17	03.50	03.17	49.42	69.36	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,174.05	\$1.84	22
7165	Whetzel	Luke	1352	859	0.47	13.8	04.09	03.50	03.24	49.21	68.94	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,493.06	\$1.84	23
7151	Dove	Lillian	1267	805	0.59	13.3	05.63	03.50	03.47	48.69	66.58	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,336.32	\$1.84	24
7162	Perry	Anika	1377	874	0.79	16.4	05.58	03.50	03.26	49.14	64.67	Choice -	\$290.39	\$0.00	\$0.00	\$0.00	\$290.39	\$2,539.16	\$1.84	25
7150	Dove	Aubrey	1485	943	0.43	13.0	04.83	03.50	03.70	48.09	69.23	Choice -	\$290.39	\$0.00	\$0.00	-\$1.07	\$289.32	\$2,728.22	\$1.84	26
181	Biby	Hannah	1500	953	0.54	14.6	04.53	03.50	03.48	48.60	68.24	Choice -	\$290.39	\$0.00	\$0.00	-\$1.07	\$289.32	\$2,755.77	\$1.84	27
186	Delawder	Wyatt	1385	879	0.79	13.4	07.45	03.50	04.22	46.93	63.11	Choice o	\$290.39	-\$11.92	\$4.71	\$0.00	\$283.18	\$2,490.50	\$1.80	28
199	Wright	Bayleigh	1443	916	0.76	13.1	07.34	03.50	04.38	46.53	63.43	Choice o	\$290.39	-\$11.92	\$4.71	-\$1.07	\$282.11	\$2,584.99	\$1.79	29
7154	Sortzi	Faith	1464	930	0.85	14.0	06.45	03.50	04.38	46.53	62.35	Choice o	\$290.39	-\$11.92	\$4.71	-\$1.07	\$282.11	\$2,622.61	\$1.79	30
179	Kibler	Landon	1301	826	0.92	12.8	04.98	03.50	04.54	46.20	60.47	Choice -	\$290.39	-\$11.92	\$0.00	\$0.00	\$278.47	\$2,300.54	\$1.77	31

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S106	Ritenour	Savannah	1485	943	0.87	13.6	04.39	03.50	04.61	45.99	61.68	Choice -	\$290.39	-\$11.92	\$0.00	\$0.00	\$278.47	\$2,625.90	\$1.77	32
7146	Dellinger	Aubrey	1347	855	1.06	13.8	05.68	03.50	04.69	45.85	58.47	Choice -	\$290.39	-\$11.92	\$0.00	\$0.00	\$278.47	\$2,381.88	\$1.77	33
2355	Showman	Ethan	1442	916	0.92	14.3	05.38	03.50	04.40	46.48	61.26	Choice -	\$290.39	-\$11.92	\$0.00	-\$1.07	\$277.40	\$2,540.07	\$1.76	34
S105	Pangle	Christopher	1372	871	0.26	16.8	03.71	03.50	01.78	52.56	74.28	Select +	\$290.39	\$3.58	-\$24.0	\$0.00	\$269.97	\$2,352.03	\$1.71	35
197	Dotson	Carter	1030	654	0.20	10.9	02.75	03.50	02.68	50.59	72.26	Select -	\$290.39	\$1.38	-\$24.0	\$0.00	\$267.77	\$1,751.35	\$1.70	36
160	Copp	Margaret	1284	815	0.52	12.5	03.99	03.50	03.61	48.37	67.35	Select +	\$290.39	\$0.00	-\$24.0	\$0.00	\$266.39	\$2,171.98	\$1.69	37
2350	Heishman	Carter	1250	794	0.35	11.6	03.94	03.50	03.38	48.90	69.95	Select +	\$290.39	\$0.00	-\$24.0	\$0.00	\$266.39	\$2,114.47	\$1.69	38
7166	Pool	Taylor	1235	784	0.26	11.9	03.74	03.50	03.01	49.77	71.74	Select +	\$290.39	\$0.00	-\$24.0	\$0.00	\$266.39	\$2,089.10	\$1.69	39
7157	Heishman	Carter	1095	695	0.17	10.2	03.73	03.50	03.00	49.85	72.30	Select +	\$290.39	\$0.00	-\$24.0	\$0.00	\$266.39	\$1,852.28	\$1.69	40
198	Dotson	Carter	1109	704	0.17	08.3	02.54	03.50	03.64	48.35	71.29	Select -	\$290.39	\$0.00	-\$24.0	\$0.00	\$266.39	\$1,875.96	\$1.69	41
187	Sortzi	Faith	1443	916	1.32	12.5	03.95	03.50	05.97	42.87	53.21	Select +	\$290.39	-\$17.25	-\$24.0	-\$1.07	\$248.07	\$2,273.08	\$1.58	42

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 \$290.39
September 4&5, 2023 (Source: AMS LM_CT150&155)

Quality Grade	\$ Adj.	Yield Grade	\$ Adj.	Carcass Weight	\$ Adj.
Prime	\$15.25	1.00 - 1.99	\$3.58	500 - 549	-\$22.64
Choice/ CAB	\$4.71	2.00 - 2.49	\$1.77	550 - 599	-\$11.36
Choice° & Choice	\$0.00	2.50 - 2.99	\$1.38	600 - 899	\$0.00
		3.00 - 3.49	\$0.00	900 - 999	-\$1.07
Select	-\$24.00	3.50 - 3.99	\$0.00	1000 - 1050	\$5.00
Standard	-\$38.29	≥ 4.00- 4.99	-\$11.92	≥ 1050	-\$15.71
		≥ 5.00	-\$17.25		

Scanning Conducted by:

Springwood Livestock Management Service

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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).