

Springwood Livestock Management Service

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2022 Shenandoah County Fair

4-H/FFA Steer Ultrasound Data Explanation

Column 1:	Tag Number
Column 2:	Exhibitor Number
Column 3:	Live Wt. (provided by Shenandoah County Extension Office)
Column 4:	Carcass Wt. (ending live wt. x 63.5% dressing)
Column 5:	Carcass Wt. Points
Column 6:	Ultrasound rib eye area
Column 7:	Base REA required (based on carcass weight)
Column 8:	REA Points
Column 9:	Ultrasound Rib Fat
Column 10:	Fat Thickness Points
Column 11:	Ultrasound %IMF
Column 12:	Marbling Score (based on %IMF and used to determine quality grade)
Column 13:	Quality Grade (based on ultrasound data, <u>NOT</u> Live quality grade)
Column 14:	Quality Grade Points
Column 15:	Yield Grade (calculated using carcass wt., REA, and back fat)
Column 16:	% Retail Product (calculated based on carcass weight, back fat, and muscling)
Column 17:	Index Points (Beef Empire Days Carcass Index)
Column 18:	Final Ranking

****This year steers were ranked using the Beef Empire Days Carcass Index System. This system assigns points in several relevant traits and recognizes carcasses within acceptability windows for several traits.**

2022 Shenandoah County Fair
Market Steer Ultrasound Competition

Exhibitor	ID	Live Wt	Carcass Wt	HCW Points	Ultrasound REA	Base REA (for carcass wt)	REA Points	Ultrasound Rib Fat	BF Points	Ultrasound %IMF	Marbling Score	Quality Grade	QG Points	Yield Grade	% Retail Product	Total Points	RANK	Comments
Adelynn Lutz	88	1384	879	0	15.7	14.3	7	0.29	0	06.89	1131	Choice ⁰	35	2.0	74.7	142	1	
Landon Kibler	176S	1097	697	-2.12	11.4	12.2	-4	0.42	-2	07.36	1152	Choice ⁰	35	3.0	70.1	127	2	
Christian Dellinger	91	1294	822	0	12.9	13.7	-4	0.44	-8	06.19	1100	Choice ⁰	35	3.1	70.6	123	3	
Hannah Biby	021	1361	864	0	13.1	14.2	-6	0.45	-8	07.01	1136	Choice ⁰	35	3.2	70.4	121	4	
Aubrey Dove	90	1315	835	0	14.4	13.8	3	0.55	-20	06.77	1126	Choice ⁰	35	2.9	69.3	118	5	
Houston Kibler	0106	1433	910	0	15.6	14.7	5	0.57	-24	06.29	1105	Choice ⁰	35	2.9	69.7	116	6	
Chad Biby	017	1371	871	0	15.7	14.2	7	0.63	-28	06.24	1102	Choice ⁰	35	2.9	68.6	114	7	
Kyle Lutz	0108	1392	884	0	16.8	14.4	12	0.34	0	05.46	1066	Choice -	0	1.8	74.3	112	8	
Jackson Hollar	109	1252	795	0	14.4	13.3	5	0.31	0	05.03	1044	Choice -	0	2.2	73.5	105	9	
Faith Sortzi	110	1433	910	0	14.5	14.7	-1	0.39	-1	05.11	1048	Choice -	0	2.8	72.3	98	10	
Lillian Dove	80	1209	768	0	12.0	13.0	-5	0.67	-32	06.98	1135	Choice ⁰	35	3.7	65.9	98	11	
Olivia Dellinger	183	1284	815	0	14.1	13.6	3	0.73	-40	06.80	1127	Choice ⁰	35	3.4	65.9	98	12	
Katelyn Lutz	0113	1298	872	0	13.8	14.3	-2	0.37	-1	05.15	1050	Choice -	0	2.8	72.2	97	13	
Taylor Pool	81	1311	832	0	13.4	13.8	-2	0.74	-40	07.30	1149	Choice ⁰	35	3.7	65.5	93	14	
Landon Kibler	298	1206	766	0	15.8	13.0	14	0.56	-24	04.79	1032	Choice -	0	2.3	69.9	90	15	
Christian Dellinger	112	1275	810	0	11.7	13.5	-9	0.68	-36	09.06	1218	Choice+	35	4.0	65.6	90	16	
Houston Kibler	0105	1306	829	0	14.0	13.8	1	0.50	-14	05.40	1062	Choice -	0	2.9	69.9	87	17	
Kyle Lutz	0107	1409	895	0	18.2	14.5	-7	0.44	-8	05.62	1073	Choice -	0	1.7	73.4	85	18	REA >17.5
Ethan Showman	2345	1211	769	0	13.9	13.0	5	0.54	-20	05.30	1058	Choice -	0	2.8	69.2	85	19	
Madison Wright	2349	1322	839	0	13.6	13.9	-1	0.51	-14	06.06	1094	Choice -	0	3.1	69.6	85	20	
Olivia Dellinger	186	1371	871	0	12.8	14.2	-7	0.76	-45	06.38	1108	Choice ⁰	35	4.1	64.7	83	21	
George Hawkins IV	288	1247	792	0	12.6	13.3	-4	0.84	-50	06.80	1127	Choice ⁰	35	4.1	63.1	81	22	
Rhonnie Miller	300	1256	798	0	13.5	13.4	1	0.54	-20	06.18	1099	Choice -	0	3.1	69.0	81	23	
J Carter Heishman	289	1357	862	0	12.8	14.1	-7	1.03	-50	07.70	1165	Choice ⁰	35	4.7	59.9	78	24	
Lane Wakeman	86	1373	872	0	19.8	14.3	-23	0.31	0	05.53	1069	Choice -	0	0.7	76.5	77	25	REA >17.5
Grace Miller	2356	1557	989	0	13.9	15.7	-9	1.14	-50	07.00	1136	Choice ⁰	35	5.2	58.5	76	26	
Rhonnie Miller	2342	1696	1077	-2.7	14.8	16.7	-10	1.02	-50	06.92	1133	Choice ⁰	35	4.9	61.2	73	27	
Faith Sortzi	111	1269	806	0	12.3	13.5	-6	0.56	-24	05.81	1083	Choice -	0	3.5	68.0	70	28	
Olivia Hawkins	287	1423	904	0	10.8	14.6	-19	0.88	-50	06.46	1112	Choice ⁰	35	5.2	61.5	66	29	
Brooklyn Clark	84	1406	893	0	19.2	14.5	-17	0.34	0	03.99	990	Select+	-20	1.1	75.6	63	30	REA >17.5
Jacey Shelton	79	1387	881	0	12.6	14.4	-9	0.60	-28	05.97	1090	Choice -	0	3.8	67.4	63	31	
Nathaniel Farmer	281	1225	778	0	12.1	13.1	-5	0.54	-20	04.01	992	Select+	-20	3.4	68.2	55	32	
J Carter Heishman	290	1206	766	0	11.8	13.0	-6	0.84	-50	05.83	1083	Choice -	0	4.2	62.8	44	33	