

Springwood Livestock Management Service

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2013 Shenandoah County Fair

Steer Ultrasound Data Explanation

Column A:B	Exhibitor
Column C:	Tag Number
Column D:	Live Wt. (provided by Shenandoah County Extension Office)
Column E:	Carcass Wt. (ending live wt. x 63.5% dressing)
Column F:	Ultrasound rib eye area
Column G:	Average REA required (based on carcass weight)
Column H:	Ultrasound Rib Fat
Column I:	Ultrasound %IMF
Column J:	Marbling Score (based on %IMF and used to determine quality grade)
Column K:	Quality Grade (based on ultrasound data, <u>NOT</u> Live quality grade)
Column L:	Yield Grade (calculated using carcass wt., REA, and back fat)
Column M:	% Retail Product (calculated based on carcass weight, back fat, and muscling)
Column N:	Base Carcass Price (\$/lb) – Actual price for cattle killed the day of your fair
Column O:	Quality Grade Premium/Discount – Low Choice being the median with premiums Discounts applied accordingly
Column P:	Yield Grade Premium/Discount – Yield Grades 3.0 – 3.9 are the median with Premiums and discounts applied accordingly
Column Q:	Carcass Weight Premium/Discount – 600 – 900 pound carcasses are acceptable Discounts applied to carcasses over 901 pounds
Column R:	Carcass Price (\$/lb) – the final price/lb that given carcass is worth after Incorporating all premiums and discounts
Column S:	Total Carcass Value – The carcass price/lb x carcass weight for that animal
Column T:	Final Rank

Pertinent Facts:

- 1) Steers were disqualified if they had a:
 - A: hot carcass wt. of less than 600 pounds or more than 950 pounds
 - B: Yield grade of 4.0 or higher
 - C: Quality grade of Select – or lower

****This year steers were ranked by quality and yield with the top five steers being recognized for having “best” carcasses that would meet CAB standards based on quality grade, muscling, target Hot Carcass Weight, and Percent Retail Product.**

Steers 1 – 13 meet industry standards – all being choice cattle and yield grade 1 -2’s.

Steers 14 -17 are within adequate fat and YG range and acceptable quality grade, but needed more muscle or less rib fat to drop into the yield grade 2 category.

2013 Shenandoah County Fair
Market Steer Carcass Ultrasound Competition

ID	Live Wt	Carcass Wt	Ultrasound REA	Avg. REA (for carcass wt)	Ultrasound Rib Fat	Ultrasound %IMF	Marbling Score	Quality Grade	Yield Grade	% Retail Product	Base Carcass Price (\$/lb.)	QG Premiu m/Disco unt	YG Premiu m/Disco unt	Carcass Wt Premium/ Discount	Carcass Price (\$/lb.)	Total Carcass Value	Rank			
Luke	Whitacre	83829	1325	841	13.8	13.9	0.33	07.30	1149	Choice ⁰	2.6	72.9	\$1.98	\$0.035	\$0.016	\$0.00	\$2.03	\$1,708.83	1	CAB, target HCW
Jenna	Kibler	83808	1327	843	13.9	13.9	0.40	06.52	1115	Choice ⁰	2.7	71.8	\$1.98	\$0.035	\$0.016	\$0.00	\$2.03	\$1,711.41	2	CAB, target HCW
Walker	Bowman	83847	1261	801	13.2	13.4	0.45	07.97	1176	Choice ⁰	2.9	70.4	\$1.98	\$0.035	\$0.016	\$0.00	\$2.03	\$1,626.29	3	CAB, target fat, enough muscle
Kyle	Lutz	83810	1186	753	13.6	12.8	0.47	07.56	1160	Choice ⁰	2.7	70.4	\$1.98	\$0.035	\$0.016	\$0.00	\$2.03	\$1,529.57	4	CAB, target fat, enough muscle
Mariyah	Viar	83827	1206	766	13.2	13.0	0.48	07.97	1176	Choice ⁰	2.9	69.9	\$1.98	\$0.035	\$0.016	\$0.00	\$2.03	\$1,555.36	5	CAB, target fat, enough muscle
Isabell	Dellinger	95938	1082	687	14.9	12.0	0.26	04.82	1034	Choice -	1.5	74.8	\$1.98	\$0.00	\$0.030	\$0.00	\$2.01	\$1,381.01	6	light HCW, heavy muscled
Hailey	Shoemaker	83820	1295	822	12.6	13.7	0.23	07.19	1144	Choice ⁰	2.7	74.1	\$1.98	\$0.035	\$0.016	\$0.00	\$2.03	\$1,670.14	7	CAB, lean but light muscled
Tyler	Holzbauer	5942	1189	755	11.8	12.9	0.25	05.89	1086	Choice-	2.7	73.3	\$1.98	\$0.000	\$0.016	\$0.00	\$2.00	\$1,507.01	8	light muscled
Bethany	Gochenour	83804	1436	912	16.3	14.7	0.43	04.49	1017	Choice -	2.3	72.5	\$1.98	\$0.000	\$0.016	-\$0.02	\$1.98	\$1,801.84	9	heavy carcass
Holly	Sine	83822	1185	752	15.0	12.8	0.43	05.24	1055	Choice -	2.1	71.8	\$1.98	\$0.000	\$0.016	\$0.00	\$2.00	\$1,501.94	10	heavy muscled
William Garrett	Coffey	95936	1202	763	15.3	13.0	0.49	04.28	1006	Choice -	2.2	71.0	\$1.98	\$0.00	\$0.016	\$0.00	\$2.00	\$1,523.49	11	heavy muscled
Tiffany	Heishman	83760	1307	830	17.1	13.8	0.55	05.15	1050	Choice -	2.1	70.8	\$1.98	\$0.000	\$0.016	\$0.00	\$2.00	\$1,656.57	12	heavy muscled
Brett	Poling	83814	1051	667	12.2	11.8	0.30	04.58	1022	Choice-	2.4	72.6	\$1.98	\$0.000	\$0.016	\$0.00	\$2.00	\$1,332.10	13	light
Lindsay	Zirkle	3802	1231	782	12.8	13.2	0.43	08.10	1182	Choice ⁰	3.0	70.6	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,575.10	14	
Elizabeth	Funkhouser	83778	1224	777	13.0	13.1	0.48	05.85	1084	Choice -	3.0	69.8	\$1.98	\$0.000	\$0.000	\$0.00	\$1.98	\$1,538.94	15	
Andrew	Rhodes	83816	1393	885	14.8	14.4	0.57	05.55	1070	Choice-	3.0	69.3	\$1.98	\$0.000	\$0.000	\$0.00	\$1.98	\$1,751.42	16	
Ethan	Neff	83813	1327	843	13.9	13.9	0.60	05.59	1072	Choice-	3.3	68.2	\$1.98	\$0.000	\$0.000	\$0.00	\$1.98	\$1,668.44	17	
Walker	Bowman	83751	1373	872	12.6	14.3	0.33	04.89	1037	Choice-	3.1	72.2	\$1.98	\$0.000	\$0.000	\$0.00	\$1.98	\$1,726.27	18	
Isaac	Rhodes	83817	1419	901	12.7	14.6	0.39	06.46	1112	Choice ⁰	3.3	71.3	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,815.65	19	
Brittany	Wright	83831	1331	845	12.7	13.9	0.42	07.71	1166	Choice ⁰	3.2	70.7	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,703.05	20	
Caleb	Fredman	95941	1132	719	11.2	12.4	0.43	07.58	1161	Choice ⁰	3.2	69.7	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,448.42	21	
Isaac	Rhodes	83819	1204	765	11.2	13.0	0.44	06.20	1100	Choice ⁰	3.4	69.6	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,540.55	22	
Andrew	Rhodes	83818	1483	942	15.0	15.1	0.56	08.72	1205	Choice +	3.2	69.5	\$1.98	\$0.045	\$0.000	-\$0.02	\$2.01	\$1,888.12	23	
Tabitha	Byram	95933	1142	725	11.2	12.5	0.45	07.60	1161	Choice ⁰	3.3	69.3	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,461.22	24	
Tracy	Barb	95930	1366	867	13.2	14.2	0.53	06.74	1125	Choice ⁰	3.4	69.0	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,747.83	25	
Holly	Sine	83821	1150	730	11.3	12.6	0.50	08.47	1196	Choice ⁰	3.4	68.6	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,471.45	26	
Isabell	Dellinger	95937	1287	817	12.8	13.6	0.54	06.78	1127	Choice ⁰	3.4	68.6	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,646.75	27	
Blake	Dysart	95940	1235	784	11.1	13.2	0.52	06.19	1100	Choice ⁰	3.7	68.1	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,580.21	28	
Bethany	Gochenour	83803	1162	738	11.0	12.7	0.53	06.23	1102	Choice ⁰	3.6	67.8	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,486.81	29	
Luke	Whitacre	83830	1242	789	12.5	13.3	0.61	08.36	1192	Choice ⁰	3.5	67.3	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,589.17	30	
Nicole D	Kibler	83809	1305	829	13.1	13.7	0.73	08.37	1192	Choice ⁰	3.8	65.4	\$1.98	\$0.035	\$0.000	\$0.00	\$2.02	\$1,669.78	31	
Brett	Poling	83815	1179	749	14.1	12.8	0.23	04.06	994	Select +	1.9	74.8	\$1.98	-\$0.075	\$0.030	\$0.00	\$1.94	\$1,448.67	32	
John-Robert	Helsley	83805	1224	777	15.1	13.1	0.38	03.75	978	Select +	2.1	72.7	\$1.98	-\$0.075	\$0.016	\$0.00	\$1.92	\$1,493.08	33	
Alexander	Neff	83812	1337	849	14.2	14.0	0.52	03.82	981	Select +	3.0	69.8	\$1.98	-\$0.075	\$0.000	\$0.00	\$1.91	\$1,617.34	34	
Tabitha	Byram	95932	1386	880	11.8	14.4	0.90	07.86	1172	Choice ⁰	4.8	61.7	\$1.98	\$0.035	-\$0.114	\$0.00	\$1.90	\$1,673.09	35	

Steers 18 – 31 meet industry standards for quality grade, but were below the required average REA for their individual hot carcass weight.

Steers 32 - 34 did not meet the Choice grade, but were acceptably muscled cattle.

Steer 35 was simply too light muscled, carrying too much finish and is disqualified for possessing a yield grade of 4.0+.