Springwood Livestock Management Service

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2012 Shenandoah County Fair

Steer Ultrasound Data Explanation

Column A: Exhibitor
Column B: Tag Number
Column C: End Wt. (provided by Shenandoah County Extension Office)
Column D: Carcass Wt. (ending wt. x 63.5% dressing)
Column E: Ultrasound rib eye area
Column F: Average REA required (based on carcass weight)
Column G: Ultrasound Rib Fat
Column H: Ultrasound %IMF
Column I: Marbling Score (based on %IMF and used to determine quality grade)
Column J: Quality Grade (based on ultrasound data, NOT Live quality grade)
Column K: Yield Grade (calculated using carcass wt., REA, and back fat)
Column L: % Retail Product (calculated based on carcass weight, back fat, and muscling)
Column M: Base Carcass Price ($/lb.) – Actual price for cattle killed the day of your fair
Column N: Quality Grade Premium/Discount – Low Choice being the median with premiums
                 and discounts applied accordingly
Column O: Yield Grade Premium/Discount – Yield Grades 3.1 – 3.9 are the median with
                 premiums and discounts applied accordingly
Column P: Carcass Weight Premium/Discount – 600 – 900 pound carcasses are acceptable
                 Discounts applied to carcasses over 901 pounds
Column Q: Carcass Price ($/lb.) – the final price/lb. that given carcass is worth after
                 Incorporating all premiums and discounts
Column R: Total Carcass Value – The carcass price/lb. x carcass weight for that animal
Column S: 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's steers were ranked by quality and yield and within that ranked again based on Percent Retail Product and Total Carcass Value to generate the final placing.

Steers 1 – 12 meet industry standards – all being choice cattle and yield grade 1-2s. They were ranked based on Percent Retail Product with any ties broken on Total Carcass Value.

Steers 13 – 17 generally need more muscle, but are within adequate fat and YG range and acceptable quality grade.

Steers 18 – 19 have plenty of muscle but simply need more time on feed to reach that choice quality grade.

Steers 20 – 25 as a group need more REA and are approaching the upper end of being over finished; however, are still within an acceptable yield grade range.

Steers 26 – 27 while having less total carcass value than the final three steers, are more industry acceptable in terms of fat cover and yield grade. Furthermore, steer 26 is heavier muscled than 27 and is a higher cutability steer with a more acceptable yield grade.

Steers 28 – 30 are simply too light muscled, carrying too much finish and are disqualified for possessing a yield grade of 4.0+.

2012 Shenandoah County 4-H/FFA Livestock Show and Sale
Market Steer Ultrasound Competition

Exhibitor	Tag No	End 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 ($/lb.)	QG Premium/ Discount	YG Premium/ Discount	Carcass Premium/ Discount	Carcass Wt Price ($/lb.)	Carcass Total Carcass Value	Rank
Jenna Kibler	83770	1317	836	15.9	13.8	0.19	4.41	1013	Choice-	1.6	76.6	$1.88	$0.000	$0.034	$0.00	$1.91	$1,600.67	1
Elizabeth Funkhouser	83762	1274	809	16.3	13.5	0.27	4.78	1032	Choice-	1.5	75.4	$1.88	$0.000	$0.034	$0.00	$1.91	$1,548.41	2
Mariyah Viar	83784	1106	702	13.5	12.2	0.23	4.90	1038	Choice-	1.9	74.5	$1.88	$0.000	$0.000	$0.00	$1.91	$1,344.22	3
Nicole Kibler	83771	1317	836	14.1	13.8	0.28	5.80	1082	Choice -	2.3	74.1	$1.88	$0.000	$0.034	$0.00	$1.90	$1,588.12	4
Caleb Fredman	83759	1262	801	13.5	13.4	0.29	6.27	1104	Choice^0	2.5	73.5	$1.88	$0.035	$0.013	$0.00	$1.93	$1,545.04	5
Jacob Coffey	83755	1187	754	12.2	12.8	0.26	6.64	1120	Choice^0	2.6	73.3	$1.88	$0.035	$0.013	$0.00	$1.93	$1,453.22	6
Ambrosia Church	83754	1196	759	12.6	12.9	0.29	6.37	1108	Choice^0	2.6	73.0	$1.88	$0.035	$0.013	$0.00	$1.93	$1,464.24	7
Alex Neff	83775	1087	690	11.5	12.1	0.28	6.59	1118	Choice^0	2.7	72.5	$1.88	$0.035	$0.013	$0.00	$1.93	$1,330.79	8
Kyle Lutz	83773	1294	822	15.0	13.7	0.42	5.64	1074	Choice -	2.4	72.0	$1.88	$0.000	$0.013	$0.00	$1.90	$1,560.39	9
Tracy Barb	83750	1229	780	15.0	13.2	0.42	4.98	1042	Choice-	2.2	72.0	$1.88	$0.000	$0.019	$0.00	$1.90	$1,482.01	10
Bethany Gochenour	83764	1273	808	14.7	13.5	0.43	6.62	1119	Choice^0	2.4	71.7	$1.88	$0.035	$0.019	$0.00	$1.93	$1,563.36	
Blake Dysart	83758	1177	747	13.8	12.8	0.44	5.14	1050	Choice-	2.5	71.1	$1.88	$0.000	$0.013	$0.00	$1.89	$1,414.82	
Holly Sine	83783	1218	773	11.8	13.1	0.34	5.04	1045	Choice-	3.0	71.6	$1.88	$0.000	$0.013	$0.00	$1.89	$1,464.10	
Lizzie Barb	83748	1231	782	11.0	13.2	0.32	5.50	1067	Choice-	3.2	71.6	$1.88	$0.000	$0.000	$0.00	$1.88	$1,469.57	
Andrew Rhodes	83777	1573	**999**	14.9	15.8	0.54	4.99	1042	Choice-	3.4	69.8	$1.88	$0.000	$0.000	$0.00	$1.87	$1,867.86	DQ
Hailey Shoemaker	83781	1312	833	13.1	13.8	0.46	5.99	1091	Choice-	3.1	70.2	$1.88	$0.000	$0.000	$0.00	$1.88	$1,566.27	
John-Robert Heisley	83767	1494	949	15.0	15.2	0.63	5.13	1049	Choice-	3.4	68.3	$1.88	$0.000	$0.000	$0.00	$1.87	$1,774.05	
John-Robert Heisley	83768	1226	779	14.4	13.1	0.33	3.35	956	Select +	2.2	73.2	$1.88	-$0.075	$0.019	-$0.01	$1.82	$1,420.00	
William Garrett Coffey	83756	1105	702	13.6	12.2	0.35	3.44	961	Select +	2.2	72.4	$1.88	-$0.075	$0.019	$0.00	$1.82	$1,279.86	
Kyle Lutz	83772	1149	730	12.2	12.6	0.64	7.44	1155	Choice^0	3.5	66.5	$1.88	$0.035	$0.000	$0.00	$1.92	$1,397.21	
Luke Whitacre	83787	1379	876	14.4	14.3	0.72	7.71	1166	Choice^0	3.5	66.3	$1.88	$0.035	$0.000	$0.00	$1.92	$1,676.90	
Lizzie Barb	83749	1399	888	13.3	14.5	0.57	8.60	1201	Choice+	3.5	68.4	$1.88	$0.045	$0.000	$0.00	$1.93	$1,710.10	
Tabitha Byram	83752	1434	911	14.3	14.7	0.68	7.20	1145	Choice^0	3.6	67.0	$1.88	$0.035	$0.000	-$0.01	$1.91	$1,734.67	
Tiffany Heishman	83766	1304	828	12.1	13.7	0.66	7.04	1138	Choice^0	3.9	66.1	$1.88	$0.035	$0.000	$0.00	$1.92	$1,585.70	
Bethany Gochenour	83763	1341	852	13.8	14.0	0.81	5.69	1077	Choice-	3.9	64.4	$1.88	$0.000	$0.000	$0.00	$1.88	$1,600.89	
Tabitha Byram	83753	1223	777	15.8	13.1	0.75	3.81	981	Select +	2.8	66.6	$1.88	-$0.075	$0.013	$0.00	$1.82	$1,411.87	
Elizabeth Funkhouser	83761	1132	719	12.1	12.4	0.46	3.58	968	Select +	3.0	69.7	$1.88	-$0.075	$0.013	$0.00	$1.82	$1,306.81	
Issac Rhodes	83779	1286	817	10.5	13.6	0.54	5.92	1087	Choice-	**4.1**	67.4	$1.88	$0.000	-$0.114	$0.00	$1.77	$1,442.13	DQ
Andrew Rhodes	83776	1420	902	14.1	14.6	0.95	9.39	1229	Choice+	**4.3**	62.1	$1.88	$0.045	-$0.114	-$0.01	$1.80	$1,623.96	DQ
Issac Rhodes	83780	1260	800	12.0	13.4	0.94	7.18	1144	Choice^0	**4.6**	61.1	$1.88	$0.000	-$0.114	$0.00	$1.77	$1,412.98	DQ