

## 2023 Augusta Market Animal Show Hog Ultrasound Carcass Contest

Dress assumed at 72% Barrow=1, Gilt=2

First Name	Last Name	Tag ID	Show Weig	HCW	Sex	Gender	Grade	Show Place	Rib Fat	LEA	Loin Depth	lbs Lean	% Muscle	lbs Muscle	% Lean	Grid Adj.	Carcass Base Value	Carcass Price \$/cwt	Carcass Value	Live Value (\$/cwt)
Elissa	Caricofe	704	229	165	Male	1	1	6	0.65	7.14	2.18	96.02	58.23%	94.78	57.48%	0.96	\$74.45	\$71.47	\$117.84	\$ 51.46
Elissa	Caricofe	705	242	174	Male	1	1	2	0.83	7.53	2.46	98.95	56.79%	97.01	55.68%	1.04	\$74.45	\$77.43	\$134.91	\$ 55.75
Blake	Caricofe	706	221	159	Female	2	1	6	0.74	7.09	2.3	92.77	58.30%	90.38	56.80%	0.89	\$74.45	\$66.26	\$105.43	\$ 47.71
Blake	Caricofe	707	262	189	Male	1	1	5	0.78	7.65	2.22	106.24	56.32%	104.70	55.50%	1.08	\$74.45	\$80.41	\$151.68	\$ 57.89
Madison	Bagley	709	262	189	Male	1	1	4	0.82	7.65	2.47	105.58	55.97%	103.95	55.11%	1.08	\$74.45	\$80.41	\$151.68	\$ 57.89
Madison	Bagley	711	254	183	Male	1	1	4	0.94	7.62	2.36	101.11	55.29%	99.07	54.17%	1.03	\$74.45	\$76.68	\$140.24	\$ 55.21
Emily	Klein	725	266	192	Male	1	1	2	0.81	8.58	2.28	111.96	58.46%	109.01	56.92%	1.08	\$74.45	\$80.41	\$153.99	\$ 57.89
Sadie	Talley	726	293	211	Male	1	1	3	0.67	8.83	2.56	123.48	58.53%	121.09	57.40%	1.08	\$74.45	\$80.41	\$169.62	\$ 57.89
Tucker	Talley	727	276	199	Male	1	1	4	0.43	8.16	2.4	118.86	59.81%	117.65	59.20%	1.03	\$74.45	\$76.68	\$152.39	\$ 55.21
Isabella	Zipf	729	261	188	Female	2	1	2	0.58	9.2	2.46	118.49	63.05%	114.15	60.74%	1.03	\$74.45	\$76.68	\$144.10	\$ 55.21
Isabella	Zipf	730	234	168	Female	2	1	3	0.63	8.47	2.62	105.85	62.83%	101.88	60.47%	0.96	\$74.45	\$71.47	\$120.42	\$ 51.46
Hunter	Bennett	731	250	180	Male	1	1	2	0.85	8.6	2.55	106.75	59.30%	103.30	57.39%	1.04	\$74.45	\$77.43	\$139.37	\$ 55.75
Hunter	Bennett	732	284	204	Male	1	1	4	0.52	8.72	2.56	122.74	60.02%	120.65	59.00%	1.03	\$74.45	\$76.68	\$156.80	\$ 55.21
Charlotte	Magers	733	259	186	Female	2	1	3	0.67	8.67	2.58	113.55	60.89%	109.78	58.87%	1.08	\$74.45	\$80.41	\$149.94	\$ 57.89
Charlotte	Magers	734	244	176	Male	1	1	6	0.48	7.47	2.3	104.98	59.75%	103.97	59.18%	1.04	\$74.45	\$77.43	\$136.03	\$ 55.75
Huntlee	Lane	735	286	206	Male	1	1	7	0.84	8.71	2.5	117.99	57.30%	115.24	55.96%	1.08	\$74.45	\$80.41	\$165.57	\$ 57.89
Huntlee	Lane	736	239	172	Female	2	1	4	0.54	8.47	2.52	108.79	63.22%	105.15	61.10%	0.96	\$74.45	\$71.47	\$122.99	\$ 51.46
Kadyn	Harris	797	275	198	Male	1	1	5	0.77	9.31	2.75	119.20	60.20%	115.42	58.29%	1.08	\$74.45	\$80.41	\$159.20	\$ 57.89
Kadyn	Harris	798	271	195	Female	2	1	4	0.51	8.79	2.54	120.33	61.67%	117.02	59.97%	1.08	\$74.45	\$80.41	\$156.89	\$ 57.89
Steele	Miller	799	220	158	Male	1	1	5	0.43	8.49	2.53	104.35	65.88%	101.31	63.96%	0.61	\$74.45	\$45.41	\$71.94	\$ 32.70
Alexis	Myrtle	834	282	203	Female	2	1	7	0.24	8.77	2.54	127.88	62.98%	125.46	61.79%	1.03	\$74.45	\$76.68	\$155.70	\$ 55.21
Alexis	Myrtle	835	255	184	Female	2	1	6	0.48	8.42	2.34	114.16	62.18%	111.11	60.52%	1.03	\$74.45	\$76.68	\$140.79	\$ 55.21
Cameron	Moyer	838	242	174	Female	2	1	3	0.32	8.23	2.59	111.99	64.27%	109.28	62.72%	1.01	\$74.45	\$75.19	\$131.02	\$ 54.14
Hailey	Curry	858	259	186	Male	1	1	6	0.65	7.6	2.28	107.24	57.51%	106.00	56.84%	1.08	\$74.45	\$80.41	\$149.94	\$ 57.89
Morgan	Robinson	860	265	191	Female	2	1	6	0.34	8.99	2.65	122.48	64.19%	119.09	62.42%	1.03	\$74.45	\$76.68	\$146.31	\$ 55.21
Morgan	Robinson	861	273	197	Male	1	1	7	0.51	9.05	2.71	121.49	61.81%	118.65	60.37%	1.03	\$74.45	\$76.68	\$150.73	\$ 55.21
Brayden	Smith	874	234	168	Male	1	1	7	0.95	7.88	2.42	96.54	57.30%	93.60	55.55%	0.96	\$74.45	\$71.47	\$120.42	\$ 51.46

First Name	Last Name	Tag ID	Show Weight	HCW	Sex	Gender	Grade	Show Place	Rib Fat	LEA	Loin Depth	lbs Lean	% Muscle	lbs Muscle	% Lean	Grid Adj.	Carcass Base Value	Carcass Price \$/cwt	Carcass Value	Live Value (\$/cwt)
Addison	Sheffer	875	263	189	Male	1	1	3	0.56	8.27	2.66	113.53	59.95%	111.55	58.91%	1.08	\$74.45	\$80.41	\$152.26	\$ 57.89
Brayden	Smith	876	249	179	Male	1	1	5	0.83	8.23	2.43	104.78	58.45%	101.92	56.85%	1.08	\$74.45	\$80.41	\$144.15	\$ 57.89
Hailey	Hemp	879	257	185	Female	2	1	2	0.5	7.47	2.27	109.26	59.05%	107.68	58.19%	1.03	\$74.45	\$76.68	\$141.90	\$ 55.21
Hailey	Hemp	880	229	165	Male	1	1	3	0.54	7.2	2.28	98.16	59.53%	97.08	58.88%	0.83	\$74.45	\$61.79	\$101.89	\$ 44.49
Jacie	Arey	883	225	162	Male	1	1	D1	0.51	7.26	2.11	97.81	60.38%	96.61	59.64%	0.89	\$74.45	\$66.26	\$107.34	\$ 47.71
Tyler	Hohenstein	951	273	197	Male	1	1	8	0.42	9.24	2.55	124.01	63.09%	121.08	61.60%	1.03	\$74.45	\$76.68	\$150.73	\$ 55.21
Bryson	Riley	952	252	181	Male	1	1	7	0.34	8.72	2.42	116.40	64.15%	113.95	62.81%	1.03	\$74.45	\$76.68	\$139.13	\$ 55.21
Scott	Hickey	953	266	192	Male	1	1	4	0.65	9.1	2.73	117.42	61.31%	114.02	59.53%	1.08	\$74.45	\$80.41	\$153.99	\$ 57.89
Bryson	Riley	966	261	188	Male	1	1	6	0.51	10.07	2.63	123.53	65.74%	118.83	63.24%	1.08	\$74.45	\$80.41	\$151.10	\$ 57.89
Benjamin	Riley	967	264	190	Female	2	1	5	0.48	10.45	2.62	127.80	67.23%	121.81	64.08%	1.03	\$74.45	\$76.68	\$145.76	\$ 55.21
Benjamin	Riley	968	245	176	Male	1	1	5	0.35	9.19	2.54	116.74	66.18%	113.39	64.28%	1.01	\$74.45	\$75.19	\$132.64	\$ 54.14
Alec	McLaren	974	277	199	Female	2	1	2	0.55	8.71	2.58	120.98	60.66%	117.84	59.09%	1.08	\$74.45	\$80.41	\$160.36	\$ 57.89
Mason	Miller	975	226	163	Female	2	1	3	0.34	7.73	2.31	104.29	64.09%	101.94	62.64%	0.83	\$74.45	\$61.79	\$100.55	\$ 44.49
Makayla	Loyd	980	283	204	Female	2	1	6	0.65	9.81	2.44	127.05	62.35%	122.12	59.93%	1.08	\$74.45	\$80.41	\$163.84	\$ 57.89
Klay	Redifer	981	249	179	Male	1	1	3	0.65	8.2	2.42	107.59	60.01%	105.18	58.67%	1.04	\$74.45	\$77.43	\$138.81	\$ 55.75
Alec	McLaren	988	278	200	Male	1	1	3	0.74	9.86	2.59	123.55	61.72%	119.06	59.48%	1.08	\$74.45	\$80.41	\$160.94	\$ 57.89
43			Show Weight	HCW	Sex	Gender	Grade	Show Place	Rib Fat	LEA	Loin Depth	lbs Lean	% Muscle	lbs Muscle	% Lean	Grid Adj.	Carcass Base Value	Carcass Price \$/cwt	Carcass Value	Live Value (\$/cwt)
Average on 43 hogs			257	185					0.595	8.456	2.47	112.39	60.84%	109.60	59.33%					
2022 Averages (56 hogs)			254	183					0.61	8.48		110.71	59.4586	108.76	60.53%					
2021 Averages (54 hogs)			248	178					0.66	7.75		103.85	57.649	102.78						
2019 Averages (94 Hogs)			260	187					0.73	8.29		109.20	57.4597	107.44						
2018 Averages (66 Hogs)			256	184					0.65	8.89		42.99	59.7712	110.00						
2017 Averages (79 Hogs)			256	185					0.61	8.35		112.86	58.9957	108.81						
2016 Averages (97 hogs)			262	189					0.61	8.74		114.45	59.4368	112.36						

## Explanation of Carcass Data Column Headings

Rib Fat: Thickness of the fat from the ribeye muscle to the outer surface of the carcass measured between the 10th and 11th rib.

LEA: Loin/Ribeye area or loin muscle area in inches squared at the location of the 10th and 11th rib

YG: USDA yield grade(0.4+(10 × Backfat). Predictor of expected yield of trimmed retail cuts. Yield grade 1=highest 5=lowest.

Proj. CW: Predicted hot carcass weight with 72% dressing percentage

Grid Adj.: Negotiated Base Price Grid adjustment based on Carcass Weight and Rib Fat

Carcass Base Value: Base price from National Daily Hog and Pork Summary, USDA 5/12/2017

Lbs Muscle/Lbs Fat Free Lean: Expected total lbs of fat free lean for the carcass.

% Muscle/% Fat Free Lean: Represents total lbs of fat free lean expressed as a percent of hot carcass weight

Carcass Price: The price of the carcass in \$ per hundred weight

Carcass Value: Total value of carcass

Live Value: Value of carcass divided by live weight to calculate an approximate live value

Carcass Weight	Last rib midline fat depth (in.) adjustment						
	0.50/Down	0.51-0.70	0.71-0.90	0.91-1.10	1.11-1.30	1.31-1.50	1.51/Up
159/Down	61.0%	64.0%	64.0%	61.0%	60.0%	48.0%	35.0%
160-166	83.0%	89.0%	89.0%	83.0%	75.0%	63.0%	50.0%
167-173	91.0%	96.0%	96.0%	91.0%	83.0%	71.0%	58.0%
174-180	101.0%	104.0%	104.0%	101.0%	95.0%	83.0%	70.0%
181-187	103.0%	108.0%	108.0%	103.0%	97.0%	83.0%	70.0%
188-194	103.0%	108.0%	108.0%	103.0%	97.0%	83.0%	70.0%
195-201	103.0%	108.0%	108.0%	103.0%	97.0%	83.0%	70.0%
202-208	103.0%	108.0%	108.0%	103.0%	97.0%	83.0%	70.0%
209-215	103.0%	108.0%	108.0%	103.0%	97.0%	83.0%	70.0%
216-222	102.0%	105.0%	105.0%	101.0%	97.0%	83.0%	70.0%
223-229	100.0%	100.0%	100.0%	100.0%	95.0%	81.0%	68.0%
230-236	86.0%	89.0%	89.0%	86.0%	80.0%	66.0%	53.0%
237-243	80.0%	83.0%	83.0%	80.0%	74.0%	60.0%	47.0%
244/Up	74.0%	77.0%	77.0%	74.0%	68.0%	54.0%	41.0%

Carcass Value/cwt. = Base price \* %Premium/Discount

This project is funded in part by a grant from the



and by donations from Augusta Coop and Staunton Union Stockyards