

9/3/2021

FFA Beef Carcass  
Minnesota State Fair

Biotronics Inc.  
Dallas McDermott

Exhibitor	ID	Live Weight	Est. Carcass Weight	Rib Eye Area	Fat Cover	% IMF	USDA Quality Grade	USDA Yield Grade	Base Carcass Price / cwt	Total Carcass Premium (Discount)	Carcass Value /cwt	% Retail Product	Relative Value of Retail Product	Rank
Madison Mattson	342	1337	836	16.6	0.31	4.9	Low Choice	1.6	200.00	6.50	206.50	68.60	141.65	1
Kyle Knott	361	1088	680	14.1	0.22	4.5	Low Choice	1.6	200.00	6.50	206.50	68.45	141.35	2
Ellen Merkouris	341	1075	672	14.0	0.24	4.0	Low Choice	1.7	200.00	6.50	206.50	68.25	140.93	3
Emma Smith	357	1296	810	16.3	0.40	4.7	Low Choice	1.9	200.00	6.50	206.50	67.75	139.90	4
Jaden Borman	352	1027	642	13.0	0.24	4.1	Low Choice	1.9	200.00	6.50	206.50	67.48	139.35	5
Samantha Richert	355	1331	832	16.5	0.44	5.3	Low Choice	2.0	200.00	6.50	206.50	67.29	138.96	6
Mikayla Thorson	354	1262	789	11.3	0.54	6.0	Choice	3.7	200.00	18.00	218.00	60.48	131.85	7
Brady Ford	339	1296	810	14.9	0.52	5.0	Low Choice	2.6	200.00	2.50	202.50	64.84	131.30	8
Sadie Sullivan	362	1128	705	12.2	0.34	5.2	Low Choice	2.6	200.00	2.50	202.50	64.70	131.02	9
Grace Mortenson	332	1328	830	13.0	0.29	4.0	Low Choice	2.7	200.00	2.50	202.50	64.53	130.67	10
Corey Knott	360	1263	789	13.9	0.48	4.7	Low Choice	2.7	200.00	2.50	202.50	64.28	130.17	11
Taylor Stepka	340	1234	771	14.0	0.56	4.0	Low Choice	2.8	200.00	2.50	202.50	63.84	129.27	12
Nathan Skiba	358	1259	787	13.0	0.47	4.3	Low Choice	3.0	200.00	0.00	200.00	63.24	126.47	13
Taylor Jerde	348	1367	854	13.2	0.44	4.3	Low Choice	3.1	200.00	0.00	200.00	62.93	125.86	14
Rachel Hanssen	326	1395	872	15.4	0.75	5.0	Low Choice	3.3	200.00	0.00	200.00	62.29	124.58	15
Taylin Muller	350	1384	865	15.9	0.56	3.6	High Select	2.6	200.00	(21.50)	178.50	64.88	115.81	16
Mikayla Skiba	359	1226	766	12.3	0.42	3.7	High Select	3.0	200.00	(24.00)	176.00	63.18	111.20	17
Av. 17 Beef		1253	783	14.1	0.42	4.5	Low Choice	2.5			201.41	65.12	131.20	

Base Price - Choice, YG 3  
\$200.00/cwt.

Quality Grade Premiums  
\$37.00 - Prime  
\$18.00 - CAB

Quality Grade Discounts  
\$24.00 - Select  
\$30.00 - Standard

Carcass Weight Discounts  
>1050# - \$15.00  
<550# - \$15.00

Dairy Steer Discount  
\$25.00/cwt  
\$5.00 if rib eye is >10 sq. in.

Yield Grade Premiums  
\$6.50 - YG1  
\$2.50 - YG2  
Dairy beef receives no yield grade premiums

Yield Grade Discounts  
\$8.00 - YG 4  
\$12.00 - YG 5

Dressing %  
Beef - 62.5%  
Dairy - 58.5%

% Retail Product = 65.59-(9.931xFat)+(1.2259xRib Eye)-(0.013166xCarcass Wt.)-(1.29xKPH)

Relative Value of Retail Product = Carcass Price per Lb. X % Retail Product

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Levi Sorenson	353	1400	819	13.4	0.24	4.8	Low Choice	2.4	200.00	(12.00)	188.00	65.56	123.26	1
Mikayla Thorson	349	1300	761	12.7	0.30	4.3	Low Choice	2.6	200.00	(12.00)	188.00	64.94	122.09	2
Joshua Katzung	344	1387	811	14.4	0.46	5.6	Low Choice	2.6	200.00	(12.00)	188.00	64.71	121.65	3
Anika Hansen	337	1432	838	14.0	0.39	4.5	Low Choice	2.7	200.00	(12.00)	188.00	64.59	121.43	4
Payton Guenther	329	1190	696	10.9	0.20	4.4	Low Choice	2.7	200.00	(12.00)	188.00	64.55	121.36	5
Makenna Jacobs	335	1548	906	13.7	0.34	4.1	Low Choice	2.9	200.00	(12.00)	188.00	63.85	120.03	6
Daric Caughey	346	1310	766	12.8	0.42	4.5	Low Choice	2.9	200.00	(12.00)	188.00	63.82	119.98	7
Ellen Merkouris	328	1470	860	13.6	0.42	4.5	Low Choice	3.0	200.00	(12.00)	188.00	63.50	119.37	8
Caleb Merkouris	327	1311	767	12.7	0.45	4.6	Low Choice	3.0	200.00	(12.00)	188.00	63.37	119.13	9
Madison Mattson	343	1460	854	12.8	0.37	7.9	High Choice	3.1	200.00	(12.00)	188.00	63.08	118.58	10
Johanna Gehrke	331	1387	811	12.9	0.45	5.7	Low Choice	3.1	200.00	(12.00)	188.00	63.05	118.54	11
Joseph Caughey	347	1395	816	11.7	0.32	5.8	Choice	3.1	200.00	(12.00)	188.00	62.82	118.11	12
Tyler Erickson	334	1410	825	11.2	0.29	4.2	Low Choice	3.3	200.00	(12.00)	188.00	62.36	117.23	13
Makenna Jacobs	336	1435	839	12.9	0.52	6.4	Choice	3.4	200.00	(12.00)	188.00	61.99	116.54	14
Kaitlyn Hanson	351	1377	806	10.4	0.27	5.2	Low Choice	3.4	200.00	(12.00)	188.00	61.86	116.30	15
Colton Guenther	330	1293	756	11.1	0.42	4.9	Low Choice	3.4	200.00	(12.00)	188.00	61.84	116.26	16
Jace Katzung	345	1532	896	12.5	0.53	5.3	Low Choice	3.7	200.00	(12.00)	188.00	60.66	114.05	17
Grace Erickson	333	1478	865	13.9	0.41	3.5	High Select	2.9	200.00	(36.00)	164.00	63.99	104.94	18
Anika Hansen	338	1559	912	10.2	0.72	6.2	Choice	5.0	200.00	(20.00)	180.00	55.72	100.30	19
Caleb Sorenson	356	1478	865	12.4	0.64	3.6	High Select	3.9	200.00	(36.00)	164.00	59.83	98.12	20
Av. 20 Dairy Beef		1408	823	12.5	0.41	5.0	Low Choice	3.1			185.20	62.80	116.36	

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