

**Minnesota State Fair FFA Beef Carcass Contest**  
**9/1/2023**

Biotronics Inc.  
 Dallas McDermott

<u>Exhibitor</u>	<u>ID</u>	<u>Live Weight</u>	<u>Est. Carcass Weight</u>	<u>Rib Eye Area</u>	<u>Fat Cover</u>	<u>% IMF</u>	<u>USDA Quality Grade</u>	<u>USDA Yield Grade</u>	<u>Base Carcass Price / cwt</u>	<u>Total Carcass Premium (Discount)</u>	<u>Carcass Value /cwt</u>	<u>% Retail Product</u>	<u>Relative Value of Retail Product</u>	<u>Rank</u>
Madison Mattson	7	1290	806	15.3	0.37	6.1	Choice	2.1	294.00	10.50	304.50	66.77	203.32	1
Mackenzie Levos	12	1115	697	15.4	0.49	5.5	Low Choice	1.9	294.00	6.50	300.50	67.24	202.05	2
Mackenzie Levos	13	1330	831	15.6	0.38	4.2	Low Choice	2.1	294.00	2.50	296.50	66.75	197.90	3
Andrew Revier	4	1355	847	14.9	0.51	6.0	Choice	2.7	294.00	10.50	304.50	64.40	196.11	4
Wyatt Sullivan	26	1095	684	12.8	0.31	4.8	Low Choice	2.3	294.00	2.50	296.50	65.96	195.56	5
Cayden Goslee	21	1455	909	16.0	0.47	5.3	Low Choice	2.5	294.00	2.50	296.50	65.33	193.69	6
Ella DeFrang	2	1315	822	15.0	0.54	4.9	Low Choice	2.7	294.00	2.50	296.50	64.52	191.30	7
Anna Rucker	20	1290	806	13.5	0.44	5.4	Low Choice	2.9	294.00	2.50	296.50	63.87	189.37	8
Ellen Merkouris	22	1310	819	14.5	0.56	4.4	Low Choice	2.9	294.00	2.50	296.50	63.78	189.09	9
Makenna Jacobs	9	1380	863	14.6	0.52	5.0	Low Choice	2.9	294.00	2.50	296.50	63.71	188.89	10
Layne Schmidt	1	1385	866	16.4	0.29	3.6	High Select	1.8	294.00	(18.50)	275.50	68.22	187.94	11
Madison Mattson	8	1245	778	11.7	0.51	6.1	Choice	3.5	294.00	8.00	302.00	61.44	185.53	12
Kaylee Mohn	24	1290	806	13.4	0.52	5.2	Low Choice	3.1	294.00	0.00	294.00	63.06	185.40	13
Katelynn Pollard	11	1355	847	13.8	0.61	4.8	Low Choice	3.3	294.00	0.00	294.00	62.04	182.39	14
Joshua Gillespie	14	1195	747	13.1	0.15	3.0	Low Select	2.0	294.00	(22.50)	271.50	67.06	182.08	15
Isabela Karels	33	1240	775	15.1	0.38	3.6	High Select	2.1	294.00	(22.50)	271.50	66.92	181.70	16
Alexa Middendorf	27	992	620	12.6	0.30	2.9	Low Select	2.1	294.00	(22.50)	271.50	66.63	180.91	17
Rylee Folkerts	32	1295	809	14.8	0.41	3.2	High Select	2.4	294.00	(22.50)	271.50	65.76	178.53	18
Jake Snyder	15	1260	788	13.4	0.42	2.7	Low Select	2.8	294.00	(22.50)	271.50	64.24	174.41	19
Emma Gillis	29	1555	972	15.7	0.48	3.6	High Select	2.9	294.00	(22.50)	271.50	64.06	173.93	20
Sadie Sullivan	25	1190	744	12.5	0.40	3.6	High Select	2.8	294.00	(22.50)	271.50	63.88	173.42	21
<u>Sarah Perrotti</u>	<u>3</u>	<u>1430</u>	<u>894</u>	<u>12.5</u>	<u>0.29</u>	<u>2.5</u>	<u>Low Select</u>	<u>3.1</u>	<u>294.00</u>	<u>(25.00)</u>	<u>269.00</u>	<u>63.09</u>	<u>169.71</u>	22
Av. 22 Beef Steers		1289	806	14.2	0.43	4.4		2.6	294.00	(6.73)	287.27	64.94	186.51	

**Minnesota State Fair FFA Beef Carcass Contest**  
**9/1/2023**

Biotronics Inc.  
 Dallas McDermott

<u>Exhibitor</u>	<u>ID</u>	<u>Live Weight</u>	<u>Est. Carcass Weight</u>	<u>Rib Eye Area</u>	<u>Fat Cover</u>	<u>% IMF</u>	<u>USDA Quality Grade</u>	<u>USDA Yield Grade</u>	<u>Base Carcass Price / cwt</u>	<u>Total Carcass Premium (Discount)</u>	<u>Carcass Value /cwt</u>	<u>% Retail Product</u>	<u>Relative Value of Retail Product</u>	<u>Rank</u>
Kaylee Mohn	18	1560	913	13.9	0.26	6.1	Choice	2.7	294.00	0.00	294.00	64.75	190.35	1
Makenna Jacobs	10	1435	839	12.7	0.24	5.3	Low Choice	2.7	294.00	0.00	294.00	64.52	189.70	2
Jace Katzung	30	1425	834	12.9	0.28	5.0	Low Choice	2.7	294.00	0.00	294.00	64.45	189.48	3
Carter Podratz	28	1345	787	11.7	0.24	5.0	Low Choice	2.8	294.00	0.00	294.00	63.95	188.02	4
Macy Mohn	19	1395	816	12.0	0.39	6.0	Choice	3.2	294.00	0.00	294.00	62.51	183.77	5
Jace Katzung	31	1530	895	14.1	0.56	5.6	Low Choice	3.3	294.00	0.00	294.00	62.30	183.18	6
Madalyn Engstrom	5	1360	796	11.6	0.39	6.3	Choice	3.3	294.00	0.00	294.00	62.23	182.94	7
Tyler Erickson	23	1450	848	12.7	0.47	5.4	Low Choice	3.3	294.00	0.00	294.00	62.07	182.50	8
Lindsay Taylor	17	1605	939	14.0	0.51	5.3	Low Choice	3.4	294.00	0.00	294.00	62.04	182.40	9
Lindsay Taylor	16	1430	837	10.9	0.35	6.1	Choice	3.6	294.00	0.00	294.00	61.18	179.86	10
<u>Madison Mattson</u>	<u>6</u>	<u>1425</u>	<u>834</u>	<u>11.9</u>	<u>0.51</u>	<u>6.5</u>	<u>Choice</u>	<u>3.6</u>	<u>294.00</u>	<u>0.00</u>	<u>294.00</u>	<u>60.89</u>	<u>179.01</u>	<u>11</u>
Av. 11 Dairy Beef Steers		1451	849	12.6	0.38	5.7		3.2	294.00	0.00	294.00	62.81	184.65	

Base Price - Choice, YG 3  
 \$294.00/cwt.

Quality Grade Premiums  
 \$33.00 - Prime  
 \$8.00 - CAB

Quality Grade Discounts  
 \$25.00 - Select  
 \$45.00 - Standard

Carcass Weight Discounts  
 >1050# - \$15.00  
 <550# - \$45.00

Dairy Steer Discount  
 \$0.00/cwt  
 \$15 if rib eye is >10 sq. in.

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

Yield Grade Discounts  
 \$10.00 - 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