

**Minnesota State Fair FFA Dairy Beef Carcass Contest  
8/30/24**

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>
Makenna Jacobs	4966	1640	959	15.1	0.32	5.2	Low Choice	2.6	296.00	0.00	296.00	65.02	192.45	1
Tyler Erickson	4510	1315	769	12.9	0.34	5.1	Low Choice	2.7	296.00	0.00	296.00	64.64	191.33	2
Makenna Jacobs	4967	1610	942	13.6	0.32	4.3	Low Choice	3.0	296.00	0.00	296.00	63.42	187.73	3
Karins Erickson	4513	1250	731	12.6	0.50	5.8	Low Choice	3.0	296.00	0.00	296.00	63.27	187.27	4
Madison Mattson	4479	1390	813	11.6	0.37	4.5	Low Choice	3.3	296.00	0.00	296.00	62.17	184.02	5
Jackson Wills	72892	1460	854	10.8	0.22	5.5	Low Choice	3.3	296.00	0.00	296.00	62.14	183.93	6
Bethany Behrendt	4860	1395	816	11.9	0.45	5.2	Low Choice	3.4	296.00	0.00	296.00	61.69	182.60	7
Madalyn Engstrom	4379	1435	839	10.0	0.20	5.0	Low Choice	3.5	296.00	0.00	296.00	61.61	182.36	8
Madalyn Engstrom	4378	1265	740	9.8	0.25	8.6	High Choice	3.3	296.00	(3.00)	293.00	62.14	182.07	9
Ridley Wills	72882	1385	810	12.6	0.25	3.6	High Select	2.7	296.00	(18.00)	278.00	64.71	179.89	10
Alexandria Herget	70027	1440	842	10.8	0.42	5.1	Low Choice	3.8	296.00	0.00	296.00	60.33	178.58	11
Madison Mattson	4483	1600	936	13.0	0.67	5.3	Low Choice	4.1	296.00	(12.00)	284.00	59.26	168.31	12
<u>Devin Jacobs</u>	<u>4968</u>	<u>1635</u>	<u>956</u>	<u>13.0</u>	<u>0.67</u>	<u>4.9</u>	<u>Low Choice</u>	<u>4.1</u>	<u>296.00</u>	<u>(12.00)</u>	<u>284.00</u>	<u>59.05</u>	<u>167.72</u>	<u>13</u>
Average		1448	847	12.1	0.38	5.2	Low Choice	3.3			292.54	62.27	182.17	

Base Price - Choice, YG 3  
\$296/cwt.

Quality Grade Premiums  
\$30 - Prime  
\$7 - CAB

Quality Grade Discounts  
\$18 - Select  
\$45 - No Roll

Carcass Weight Discounts  
>1100# - \$15.00  
<550# - \$45

Dairy Steer Discount  
\$0/cwt  
\$3 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  
\$12 - YG 4  
\$24 - 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