

STEER CARCASS DATA - KITTTITAS COUNTY FAIR - 2023

INTRODUCTION AND EXPLANATION OF TERMS

This is the 56th year of conducting the Steer of Merit program for the Kittitas County Fair. The Steer of Merit program places emphasis on carcass quality and recognizes exhibitors and breeders of animals that meet established standards.

In addition to the customary placing and awards, Steer of Merit Certificates are presented to the exhibitor of each Steer of Merit. Data was provided through ultrasound.

WASHINGTON STEER OF MERIT SPECIFICATIONS

Hot Carcass Weight – At least 600 pounds but not more than 950 pounds.

Rib Eye Area – Minimum rib eye size according to the following scale:

<u>Hot Carcass Weight</u>	<u>Min. Rib Eye Area</u>
600	11.0
650	11.6
700	12.2
750	12.8
775	13.1
>775	13.1

Yield Grade – 2.99 or lower (Estimated by a beef carcass yield grade equation). A 2.9 or better yield grade corresponds with 50.3 cutability and indicates 50.3 percent of the carcass weight in boneless, closely trimmed, retail cuts from round, loin, rib, and chuck. Maximum yield grade allowed based on quality grade:

<u>USDA Quality Grade</u>	<u>Max. USDA Yield Grade</u>
Low Choice	2.9
Average/High Choice	3.4
Prime	3.9

Carcass Quality Grade – Low choice or better

Average Daily Gain – 2.60 or more.

Carcass Acceptability – Acceptable color and firmness with no defects.

COLUMNS

- Ear tag Number**
- Exhibitor Name**
- Market Class Placing**- Placing within class at fair.
- Pre-Show weight** – weight at Beef Pre-Show
- Fair Weight** – weight at Fair weigh-in
- Quality Grade** – The grade that the federal grader placed on the carcass at the processor
- Hot Carcass Weight** – Actual weight of the hot carcass before fabrication
- Dressing Percentage** – Hot carcass weight divided by the live weight.
- Rib fat** – Fat measured over the loin muscle between the 12th & 13th ribs. Calculated from packer yield grade.
- PYG** – Preliminary Yield Grade determined solely by the 12th rib fat thickness.
- REA** – Cross-sectioned area of the ribeye muscle
- REA Required** – The minimum size of rib eye required, based on carcass weight, for the carcass to qualify as a Steer of Merit.
- % Kidney, Pelvic, and Heart Fat** – A measure of the fat inside the body cavity.
- Yield Grade** – Reflects how much usable meat is on the carcass, incorporating fat thickness, dressing percentage, KPH fat, and size of loin eye relative to weight.
- Maximum Yield Grade Based on Quality Grade** - Yield grades are increased for each quality grade above select.
- Average Daily Gain** – Rate of gain from Beef Pre-Show to Fair weigh-in
- QG Code**-Numerical code for the Quality Grade
- Cutability** – Estimate of the percentage of trimmed lean meat from the boneless round, loin, rib and chuck. This estimate is determined by a formula developed by USDA, as these four cuts represent the major and most important cuts of the beef carcass.
- Index** – Cutability and rate of gain combined in an index (40% gain and 60% on cutability).
- Steer of Merit** – SoM indicates that the steer met the requirements for Steer of Merit.
- Breeder**
- Club**

2023 Kittitas County Fair Steer Carcass Evaluation										Criteria: HCW 600-950 lbs; USDA yield grade <3; required REA based on USDA yield grade scale; QG low Choice or better; ADG at least 2.6														
										*HCW calculated from 64% dress														
Tag #	Name	Last	Market class placing	Pre-show wt	Fair weight	Quality Grade	IMF	HCW	Dress. %	FT	Prelim YG	REA	REA req'd	KPH	YG	Max YG based on QG	ADG	QG code	Cutability	Index	SoM	Club	Breeder	
55	Sophia	Nicholson	R1	760	1248	CH-	3.89	798.7	0.64	0.42	2.11	15.5	13.1	0.5	1.73	2.9	3.09	10	52.72	101.83	SoM	1	Cle Elum FFA	Trinity Farms
40	Makenna	Vraves	R3	856	1460	CH-	2.59	934.4	0.64	0.4	2.10	14.1	13.1	0.5	2.64	2.9	3.82	10	50.54	100.77	SoM	2	Ellensburg FFA	Burkholder & Unruh
53	Wyatt	Morgan	15	825	1278	CH-	2.62	817.9	0.64	0.39	2.10	13.8	13.1	0.5	2.27	2.9	2.87	10	51.46	100.79	SoM	3	Ellensburg FFA	Tim Case
3	Sawyer	Tostenson	R1	1046	1364	PR	10.25	873	0.64	0.79	2.20	15.2	13.1	0.5	3.03	3.9	2.01	15	49.67	102.97	0		Grow Em & Show Em	Dixon Land and Livestock
43	Ayven	Moon	2	915	1322	CHo	4.13	846.1	0.64	0.4	2.10	15.3	13.1	0.5	1.92	3.4	2.58	12	52.25	102.76	0		Kids & Kritter	Ayven Moom
16	Reid	Moreland	11	1158	1578	PR-	8.22	1010	0.64	0.94	2.24	15.8	13.1	0.5	3.73	3.9	2.66	15	47.98	102.19	0		Grow Em & Show Em	Reid Moreland
13	Sam	Tostenson	12	910	1210	CHo	4.32	774.4	0.64	0.49	2.12	14.3	13.1	0.5	2.19	3.4	1.90	12	51.66	101.89	0		Grow Em & Show Em	Dixon Land and Livestock
4	Colton	Calaway	Mini 1	699	975	CH+	6.19	624	0.64	0.51	2.13	12.7	11.3	0.5	2.18	3.4	1.75	12	51.76	101.86	0		Grow Em & Show Em	3M Livestock (K&B McDowell)
12	Sawyer	Tostenson	R2	1056	1500	CH-	2.98	960	0.64	0.27	2.07	16	13.1	0.5	2.90	2.9	2.81	10	52.46	101.46	0		Grow Em & Show Em	4W Ranch
50	Breyson	Mackay	R1	916	1306	CH+	6.08	835.8	0.64	0.75	2.19	15.4	13.1	0.5	2.72	3.4	2.47	12	50.40	101.38	0		Menastash Grange	Nick Struiksma
21	Keely	Thayer	B1	869	1344	CHo	4.25	860.2	0.64	0.47	2.12	12.5	13.1	0.5	3.04	3.4	3.01	12	49.64	101.20	0		Grow Em & Show Em	Keely Thayer
42	Adler	Moon	4	856	1206	CH-	3.1	771.8	0.64	0.36	2.09	14.6	13.1	0.5	1.76	2.9	2.22	10	52.65	101.21	0		Kids & Kritter	Adler Moon
8	Tait	Mecham	R2	620	1150	CH-	2.34	736	0.64	0.3	2.08	12	12.6	0.5	2.31	2.9	3.35	10	51.41	101.08	0		Hard to Beat	Curtis Mecham
29	Brenna	Wilson	B3	827	1212	CHo	4.35	775.7	0.64	0.59	2.15	13	13.1	0.5	2.86	3.4	2.44	12	50.10	101.15	0		Grow Em & Show Em	Bruce Wilson
54	Noah	Schutte	9	770	1150	CH-	3.2	736	0.64	0.28	2.07	13	12.6	0.5	1.94	2.9	2.41	10	52.27	101.06	0		Menastash Grange	Brett Tonne
36	Layne	Hink	4	912	1326	CH+	7.71	848.6	0.64	0.53	2.13	13	13.1	0.5	2.99	3.4	2.62	12	49.77	101.04	0		Grow Em & Show Em	Blue Drifter Ranch
41	Hailey	Vraves	14	859	1456	CHo	4.39	931.8	0.64	0.62	2.16	13.1	13.1	0.5	3.50	3.4	3.78	12	48.55	100.94	0		Get up & Go	hailey vraves
9	Wade	Mecham	R1	681	1166	CH-	2.61	746.2	0.64	0.19	2.05	11.4	12.8	0.5	2.26	2.9	3.07	10	51.51	100.96	0		Hard to Beat	Curtis Mecham
4	Sam	Tostenson	R1	1166	1518	CHo	5.66	971.5	0.64	0.54	2.14	14.9	13.1	0.5	2.87	3.4	2.23	12	49.98	100.92	0		Grow Em & Show Em	Kyle and Erin Tostenson
20	Kylie	Sherman	R2	965	1360	CHo	5.11	870.4	0.64	0.64	2.16	13.7	13.1	0.5	3.12	3.4	2.50	12	49.45	100.73	0		Menastash Grange	Dan Powell
35	Kacee	Schott	Mini 2	594	867	CHo	4.08	554.9	0.64	0.65	2.16	10.7	10.5	0.5	2.91	3.4	1.73	12	50.11	100.69	0		Kittitas FFA	Charles McIntosh
45	Kacee	Schott	B2	875	1208	CHo	5.5	773.1	0.64	0.69	2.17	12.7	13.1	0.5	3.20	3.4	2.11	12	49.33	100.39	0		Kittitas FFA	Roslyn Swanson
33	Israel	Cox	Mini 4	854	1078	CHo	4.93	689.9	0.64	0.79	2.20	13.3	12.1	0.5	2.94	3.4	1.42	12	49.97	100.38	0		Kittitas FFA	Kintzle Cattle
34	Henry	German	R5	1000	1398	CH-	2.76	894.7	0.64	0.36	2.09	14	13.1	0.5	2.42	2.9	2.52	10	51.07	100.29	0		Grow Em & Show Em	Mark Passmore
41	Maizy	Mackay	Mini 7	431	813	CH-	2.56	520.3	0.64	0.37	2.09	9.4	10.0	0.5	2.49	2.9	2.42	10	51.09	100.23	0		Menastash Grange	Janine Wilson
27	Steven	Kelsey	B1	905	1210	CH-	2.71	774.4	0.64	0.46	2.12	13.8	13.1	0.5	2.28	2.9	1.93	10	51.46	100.18	0		Get up & Go	Manastash Ridge Excavation LLC
49	Cade	Femrite	R2	869	1422	CHo	4.51	910.1	0.64	0.6	2.15	11.4	13.1	0.5	3.91	3.4	3.50	12	47.61	100.09	0		Grow Em & Show Em	Kara Porterfield
26	Emilynn	Ogan	5	915	1390	SE	2.23	889.6	0.64	0.44	2.11	16.6	13.1	0.5	1.77	2.9	3.01	8	52.58	100.08	0		Grow Em & Show Em	Blue Drifter Ranch (Eric Celigoy)
24	Rylie	Carlson	R4	912	1366	CH+	7.69	874.2	0.64	0.58	2.15	11.5	13.1	0.5	3.69	3.4	2.87	12	48.14	100.05	0		Grow Em & Show Em	Janie Struikmans
31	Thomas	German	R2	963	1412	CH-	3.77	903.7	0.64	0.3	2.08	12.7	13.1	0.5	2.72	2.9	2.84	10	50.37	100.01	0		Grow Em & Show Em	John Unruh
42	Nolan	Sherley	Mini 3	498	753	CH-	2.55	481.9	0.64	0.36	2.09	9.5	9.6	0.5	2.29	2.9	1.61	10	51.58	100.05	0		Menastash Grange	Nolan Sherley
14	Jack	Case	R6	900	1398	CH-	3.21	894.7	0.64	0.69	2.17	14.8	13.1	0.5	2.99	2.9	3.15	10	49.75	99.77	0		Grown Em & Show Em	4W Ranch
46	Cort	Femrite	R1	993	1470	CHo	4.71	940.8	0.64	0.73	2.18	12.7	13.1	0.5	3.94	3.4	3.02	12	47.54	99.72	0		Grown Em & Show Em	Charlton Farms
5	Logan	Annell	R2	869	1356	CH-	2.58	867.8	0.64	0.37	2.09	11.8	13.1	0.5	3.05	2.9	3.08	10	49.63	99.64	0		Hard to Beat	Madison Huber
35	Claire	German	10	987	1356	CH-	2.55	867.8	0.64	0.34	2.09	12.4	13.1	0.5	2.78	2.9	2.34	10	50.25	99.59	0		Grow Em & Show Em	Dixon Livestock
47	Cort	Femrite	R3	855	1352	CH-	3.88	865.3	0.64	0.41	2.10	11.5	13.1	0.5	3.23	2.9	3.15	10	49.20	99.38	0		Grow Em & Show Em	Charlton Farms
30	Brenna	Wilson	R2	804	1258	CH-	3.93	805.1	0.64	0.47	2.12	11.3	13.1	0.5	3.22	2.9	2.87	10	49.27	99.25	0		Grow Em & Show Em	Bruce Wilson
15	Trent	Moreland	15	1226	1580	CH+	6.21	1011	0.64	0.75	2.19	13.9	13.1	0.5	3.87	3.4	2.24	12	47.66	99.29	0		Grow Em & Show Em	Blue Drifter Ranch
2	Hadlee	Hanson	1	965	1404	CH-	3.87	898.6	0.64	0.56	2.14	13.2	13.1	0.5	3.19	2.9	2.78	10	49.28	99.20	0		Grow Em & Show Em	Hanson
28	Israel	Cox	Mini 5	681	987	CH-	3.22	631.7	0.64	0.62	2.16	11.1	11.4	0.5	3.00	2.9	1.94	10	49.86	99.05	0		Kittitas FFA	3M Livestock
1	Hadlee	Hanson	3	870	1462	SE	2.17	935.7	0.64	0.56	2.14	14.9	13.1	0.5	2.79	2.9	3.75	8	50.20	98.88	0		Grow Em & Show Em	John Sorensen
52	Kassidy	Bremner	13	985	1512	CH-	3.41	967.7	0.64	0.69	2.17	13.1	13.1	0.5	3.81	2.9	3.34	10	47.82	98.52	0		Kittitas FFA	Marcus Mays - Flying M Livestock