

LAMB CARCASS DATA – KITTITAS COUNTY FAIR – 2023

INTRODUCTION AND EXPLANATION OF TERMS

Market lamb evaluation was conducted using ultrasound technology. Lambs are ultrasounded between the 12th and 13th rib, the location where an actual carcass would be split in processing and where a grader would obtain measurements. The ultrasound measures the area of the rib eye and the thickness of external fat cover over the rib eye. The system of analysis used for the ultrasound data uses a combination of the directly measured ultrasound data and a leg score assigned by the fair judge. These four factors, along with a preliminary yield grade (PYG) calculated from the fat thickness, are combined into an Adjusted Yield Grade index that was used to rank the lambs. If there is a tie on the AYG, animals are further ranked using a cutability equation which estimates the amount of boneless, closely-trimmed, retail cuts (%BCTRC) on the carcass.

In addition to the customary placing and awards, Lamb of Merit certificates are presented to the exhibitor of each Lamb of Merit.

For the lambs that didn't qualify for the Lamb of Merit award, the carcass variable that failed to meet the required specification is highlighted.

LAMB OF MERIT SPECIFICATIONS

Carcass Weight – Carcass weight has been removed as a criterion since actual dressing percentages vary significantly and the estimate is not reliable enough. It is still used to calculate the required ribeye area.

Loin eye area – must exceed the required loin eye area for that carcass weight

Back fat at 12th rib – .15 to .25”

Average Daily Gain - .6 or higher

Columns on Data Sheet

1. **Ear Tag Number**
2. **Carcass rank:** places Lambs of Merit using the AYG and cutability
3. **Exhibitor Name**
4. **Market Class Placing:** placing within the class at fair
5. **Pre-show weight:** weight at the June pre-show.
6. **Fair weight:** weight at fair weigh-in
7. **Fat thickness:** as measured by ultrasound
8. **Loin eye area**
9. **LEA Required**
10. **Leg Score-Estimates degree of finish**
11. **Average daily gain:** difference between the fair weight and the pre-show weight divided by the days on feed
12. **Estimated carcass weight:** live weight multiplied by .50
13. **Yield grade:** calculated from fat thickness; one rough estimate of cutability
14. **LEA +/-:** deviation from required LEA
15. **LEA adjustment:** addition or subtraction from preliminary yield grade based on the LEA +/-
16. **Leg score adjustment:** The leg score is an estimate of the conformation of the hind leg based on thickness and depth of the muscle (assigned by the fair judge); adj. is addition or subtraction from the adjusted YG based on leg score
17. **Fat thickness adjustment:** addition or subtraction from PYG based on fat thickness
18. **Adjusted yield grade:** sum of the preliminary YG (calculated from fat thickness and carcass weight) and columns 17-20 (less is better)
19. **Cutability:** a calculated estimate of % BCTRC using only an adjusted fat thickness and the rib eye area
20. **Lamb of Merit specification** – indicates whether the animal met the qualifications for Lamb of Merit
21. **Breeder**
22. **Club**

2023 Lamb of Merit carcass evaluation																							
Fat thickness .15-.25; LEA >= req'd LEA; ADG >= .6																							
Tag #	Carcass rank	Last name	First name	Market class placing	Pre-show weight	Fair weight	Fat thickness	Loin eye area	Req'd LEA	Leg score	LS code	Average daily gain	Estimated carcass weight	Yield grade	LEA +/-	LEA adj.	Leg score adj.	FT adj	Adj. YG	Cutability	Lamb of Merit	Club	Breeder
81	1	Seldal	Cassidy	3	86	149	0.17	3.91	2.59	PR+	15	0.78	74.5	2.1	1.32	-1.2	-1.2	0.0	-0.3	62.1	LoM	Kids & Kritters	Clark Family Show Lambs
36	2	Alder	Taylor	5	83	153	0.21	4.1	2.63	PR+	15	0.86	76.5	2.5	1.47	-1.2	-1.2	0.0	0.1	62.4	LoM	Menastash Grange	Alder Farms
8	3	Sullivan	Daniel	R8	71	124	0.22	2.88	2.34	PR+	15	0.65	62.0	2.6	0.54	-1.2	-1.2	0.0	0.2	59.9	LoM	Sheepsteers	Lynette Miller
86	4	Blackmore	Kayliana	B3	76	134	0.18	3.79	2.44	PR	14	0.72	67.0	2.2	1.35	-1.2	-0.6	0.0	0.4	61.9	LoM	Menastash Grange	Jalina Blackmore
56	5	Mattson	Veronica	4	90	148	0.19	3.32	2.58	PR	14	0.72	74.0	2.3	0.74	-1.2	-0.6	0.0	0.5	60.9	LoM	Kids & Kritters	Tim Clark
4	6	Sullivan	Henry	B4	84	133	0.19	2.98	2.43	PR	14	0.60	66.5	2.3	0.55	-1.2	-0.6	0.0	0.5	60.2	LoM	Sheepsteers	Lynette Miller
13	7	Shafter	Carter	B1	52	103	0.15	2.58	2.13	PR	14	0.63	51.5	1.9	0.45	-0.8	-0.6	0.0	0.5	59.6	LoM	Sheepsteers	MB Livestock
119	8	Emery	Cassidy	B3	101	173	0.16	4.07	2.83	PR-	13	0.89	86.5	2.0	1.24	-1.2	-0.3	0.0	0.5	62.5	LoM	Kids & Kritters	
24	9	Fiske	Cecilia	B8	64	130	0.16	3.13	2.40	PR-	13	0.81	65.0	2.0	0.73	-1.2	-0.3	0.0	0.5	60.6	LoM	Sheepsteers	Lynette Miller
54	10	Ewen	Will	R4	106	183	0.2	3.87	2.93	PR	14	0.95	91.5	2.4	0.94	-1.2	-0.6	0.0	0.6	61.9	LoM	Kids & Kritters	Mary Nouwens
37	12	Alder	Taylor	B4	71	120	0.18	3.21	2.30	PR-	13	0.60	60.0	2.2	0.91	-1.2	-0.3	0.0	0.7	60.7	LoM	Menastash Grange	Alder Farms
46	13	Schutte	Alexander	B1	63	119	0.18	2.94	2.29	PR-	13	0.69	59.5	2.2	0.65	-1.2	-0.3	0.0	0.7	60.2	LoM	Menastash Grange	MB Livestock
69	14	Seth	Skylee	B5	69	124	0.18	2.92	2.34	PR-	13	0.68	62.0	2.2	0.58	-1.2	-0.3	0.0	0.7	60.1	LoM	Kids & Kritters	Lafever Holbrook Ranch
55	15	Ewen	Will	B3	99	156	0.2	3.37	2.66	PR-	13	0.70	78.0	2.4	0.71	-1.2	-0.3	0.0	0.9	60.9	LoM	Kids & Kritters	Mary Nouwens
5	11	Sullivan	Henry	15	86	150	0.2	3.32	2.60	PR-	13	0.79	75.0	2.4	0.72	-1.2	-0.3	0.0	0.9	60.8	LoM	Sheepsteers	Lynette Miller
60	16	Mattson	Michael	13	83	132	0.2	3.02	2.42	PR-	13	0.60	66.0	2.4	0.60	-1.2	-0.3	0.0	0.9	60.2	LoM	Kids & Kritters	Tim Clark
72	17	Nicholson	Annabelle	B5	97	151	0.17	3.24	2.61	CH+	12	0.67	75.5	2.1	0.63	-1.2	0.0	0.0	0.9	60.8	LoM	Menastash Grange	Nicholson Livestock
31	18	Basterrechea	Brialynn	8	85	142	0.17	3.14	2.52	CH+	12	0.70	71.0	2.1	0.62	-1.2	0.0	0.0	0.9	60.6	LoM	Menastash Grange	MB Livestock
18	19	Izzi	Adilyn (Addy)	B6	68	125	0.17	3.02	2.35	CH+	12	0.70	62.5	2.1	0.67	-1.2	0.0	0.0	0.9	60.4	LoM	Sheepsteers	Lynette Miller
9	20	Sullivan	Daniel	11	60	120	0.18	2.65	2.30	PR	14	0.74	60.0	2.2	0.35	-0.6	-0.6	0.0	1.0	59.6	LoM	Sheepsteers	Lynette Miller
29	21	Izzi	Raife	B7	64	128	0.15	2.58	2.38	PR-	13	0.79	64.0	1.9	0.20	-0.6	-0.3	0.0	1.0	59.6	LoM	Sheepsteers	Lynette Miller
66	22	Mabbutt	Rachael	B6	67	130	0.21	3.09	2.40	PR-	13	0.78	65.0	2.5	0.69	-1.2	-0.3	0.0	1.0	60.3	LoM	Kids & Kritters	Miller
57	23	Mattson	Veronica	B5	105	167	0.19	3.09	2.77	PR	14	0.77	83.5	2.3	0.32	-0.6	-0.6	0.0	1.1	60.4	LoM	Kids & Kritters	Mary Nouwens
65	24	Mabbutt	Rachael	B3	80	160	0.19	3.69	2.70	CH+	12	0.99	80.0	2.3	0.99	-1.2	0.0	0.0	1.1	61.6	LoM	Kids & Kritters	Miller
14	25	Barr	Sadie	R9	72	134	0.19	3.06	2.44	CH+	12	0.77	67.0	2.3	0.62	-1.2	0.0	0.0	1.1	60.4	LoM	Sheepsteers	Lynette Miller
22	26	Emery	Cassidy	B2	117	189	0.22	3.83	2.99	PR-	13	0.89	94.5	2.6	0.84	-1.2	-0.3	0.0	1.1	61.8	LoM	Kids & Kritters	Chinook Farm, Mary Nouwens
85	27	Blackmore	Kayliana	B4	84	142	0.25	3.5	2.52	PR	14	0.72	71.0	2.9	0.98	-1.2	-0.6	0.0	1.1	61.0	LoM	Menastash Grange	Jalina Blackmore
47	28	Schutte	Alexander	7	83	158	0.22	3.19	2.68	PR-	13	0.93	79.0	2.6	0.51	-1.2	-0.3	0.0	1.1	60.5	LoM	Menastash Grange	Nicholson Livestock
34	29	Jentges	Annelise	B8	88	142	0.2	3.14	2.52	CH+	12	0.67	71.0	2.4	0.62	-1.2	0.0	0.0	1.2	60.5	LoM	Kids & Kritters	
6	30	Sullivan	Francis	B3	62	119	0.2	3.03	2.29	CH+	12	0.70	59.5	2.4	0.74	-1.2	0.0	0.0	1.2	60.3	LoM	Sheepsteers	Lynette Miller
80	31	Seldal	Cassidy	R5	109	176	0.24	3.55	2.86	PR-	13	0.83	88.0	2.8	0.69	-1.2	-0.3	0.0	1.3	61.1	LoM	Kids & Kritters	Chinook Farm, Mary Nouwens
39	32	Alder	Allison	B7	78	136	0.18	3.29	2.46	CH	11	0.72	68.0	2.2	0.83	-1.2	0.3	0.0	1.3	60.9	LoM	Menastash Grange	Alder Farms
50	33	Muratore	Caitlyn	B2	55	110	0.15	2.23	2.20	PR	14	0.68	55.0	1.9	0.03	0.0	-0.6	0.0	1.3	58.9	LoM	Menastash Grange	
30	34	Pascoe	Sienna	10	82	135	0.25	3.57	2.45	PR-	13	0.65	67.5	2.9	1.12	-1.2	-0.3	0.0	1.4	61.1	LoM	Menastash Grange	MB Livestock
7	35	Sullivan	Francis	B7	73	140	0.21	2.98	2.50	CH+	12	0.83	70.0	2.5	0.48	-0.8	0.0	0.0	1.7	60.1	LoM	Sheepsteers	Lynette Miller
16	36	Izzi	Remi	B6	83	142	0.16	2.57	2.52	PR-	13	0.73	71.0	2.0	0.05	0.0	-0.3	0.0	1.7	59.5	LoM	Sheepsteers	Jim Bowen
11	37	Mullings	Vivian	B7	86	145	0.22	3.02	2.55	CH+	12	0.73	72.5	2.6	0.47	-0.8	0.0	0.0	1.8	60.2	LoM	Sheepsteers	Jalina Blackmore
19	38	Izzi	Adilyn (Addy)	R10	89	148	0.23	3.34	2.58	CH	11	0.73	74.0	2.7	0.76	-1.2	0.3	0.0	1.8	60.8	LoM	Sheepsteers	Jim Bowen
43	39	Dunbar	Matthew	R10	81	151	0.25	3.66	2.61	CH	11	0.86	75.5	2.9	1.05	-1.2	0.3	0.0	2.0	61.3	LoM	Menastash Grange	Kevin Nicholson
44	40	Feddema	Derrick	R8	82	150	0.21	2.97	2.60	CH	11	0.84	75.0	2.5	0.37	-0.6	0.3	0.0	2.2	60.1	LoM	Menastash Grange	Jalina Blackmore
88	41	Bala	Derynn	R8	88	158	0.21	2.77	2.68	CH+	12	0.86	79.0	2.5	0.09	0.0	0.0	0.0	2.5	59.7	LoM	Kids & Kritters	Darren Magruder
74		Moon	Adler	1	123	141	0.16	3.27	2.51	PR+	15	0.22	70.5	2.0	0.76	-1.2	-1.2	0.0	-0.4	60.9	DQ	Kids & Kritters	Adler Moon
75		Moon	Ayven	2	152	160	0.2	3.29	2.70	PR+	15	0.10	80.0	2.4	0.59	-1.2	-1.2	0.0	0.0	60.8	DQ	Kids & Kritters	Ayven Moon

32	Sherman	Kylie	12	77	125	0.17	3.59	2.35	PR-	13	0.59	62.5	2.1	1.24	-1.2	-0.3	0.0	0.6	61.5	DQ	Menastash Grange	Shari Partlow
68	Seth	Dailey	B5	68	111	0.17	2.8	2.21	CH+	12	0.53	55.5	2.1	0.59	-1.2	0.0	0.0	0.9	59.9	DQ	Kids & Kritters	Lafever Holbrook Ranch
79	Nicholson	Emeila	B3	97	139	0.21	3.41	2.49	PR-	13	0.52	69.5	2.5	0.92	-1.2	-0.3	0.0	1.0	61.0	DQ	Menastash Grange	Nicholson Livestock
53	Nicholson	Jocelyn	B6	96	144	0.2	3.25	2.54	CH+	12	0.59	72.0	2.4	0.71	-1.2	0.0	0.0	1.2	60.7	DQ	Menastash Grange	Nicholson Livestock
64	Muratore	Michael	R11	62	110	0.15	2.54	2.20	CH+	12	0.59	55.0	1.9	0.34	-0.6	0.0	0.0	1.3	59.5	DQ	Menastash Grange	Jalina Blackmore
17	Izzi	Remi	R9	85	146	0.14	3.24	2.56	PR-	13	0.75	73.0	1.8	0.68	-1.2	-0.3	1.2	1.5	56.1	DQ	Sheepsteers	Lynette Miller
58	Endowment	Mattson	B7	106	150	0.11	3.04	2.60	PR-	13	0.54	75.0	1.5	0.44	-0.8	-0.3	1.2	1.6	55.8	DQ	Kids & Kritters	
3	Smith	Jordan	B4	67	110	0.17	2.61	2.20	CH	11	0.53	55.0	2.1	0.41	-0.8	0.3	0.0	1.6	59.5	DQ	Menastash Grange	Jordan Smith Book Bunnies Farm
87	Bala	Derynn	R11	78	142	0.12	3.12	2.52	CH+	12	0.79	71.0	1.6	0.60	-1.2	0.0	1.2	1.6	56.0	DQ	Kids & Kritters	Darren Magruder
33	Sherman	Kylie	B4	114	145	0.25	3.42	2.55	CH+	12	0.38	72.5	2.9	0.87	-1.2	0.0	0.0	1.7	60.8	DQ	Menastash Grange	Jennifer Hollingbery
26	Anderson	Georgina	R9	70	122	0.28	3.41	2.32	PR	14	0.64	61.0	3.2	1.09	-1.2	-0.6	0.3	1.7	59.5	DQ	Sheepsteers	Lynette Miller
10	Mullings	Vivian	B8	71	119	0.17	2.55	2.29	CH	11	0.59	59.5	2.1	0.26	-0.6	0.3	0.0	1.8	59.4	DQ	Sheepsteers	Jennifer Hollingbery
77	Nicholson	Sofia	B3	75	128	0.14	2.96	2.38	CH+	12	0.65	64.0	1.8	0.58	-1.2	0.0	1.2	1.8	55.6	DQ	Menastash Grange	Nicholson Livestock
67	Seth	Dailey	B7	72	118	0.16	2.26	2.28	CH+	12	0.57	59.0	2.0	-0.02	0.0	0.0	0.0	2.0	58.9	DQ	Kids & Kritters	Lefever Holbrook Ranch
25	Fiske	Cecilia	B2	56	106	0.17	2.15	2.16	CH+	12	0.62	53.0	2.1	-0.01	0.0	0.0	0.0	2.1	58.6	DQ	Sheepsteers	Lynette Miller
70	Seth	Skylee	B5	81	140	0.21	2.47	2.50	PR-	13	0.73	70.0	2.5	-0.03	0.0	-0.3	0.0	2.2	59.1	DQ	Kids & Kritters	Lafever Holbrook Ranch
41	Danielle	Carson	B5	79	148	0.12	2.87	2.58	CH+	12	0.85	74.0	1.6	0.29	-0.6	0.0	1.2	2.2	55.5	DQ	Menastash Grange	Alder Farms
82	Seldal	Hannah	9	85	145	0.31	3.06	2.55	PR	14	0.74	72.5	3.5	0.51	-1.2	-0.6	0.6	2.3	57.5	DQ	Kids & Kritters	Clark Family Show Lambs
49	Muratore	Josie	B6	69	113	0.12	2.64	2.23	CH	11	0.54	56.5	1.6	0.41	-0.8	0.3	1.2	2.3	55.0	DQ	Menastash Grange	Jalina Blackmore
35	Jentges	Clara	R10	88	142	0.14	2.84	2.52	CH+	12	0.67	71.0	1.8	0.32	-0.6	0.0	1.2	2.4	55.3	DQ	Kids & Kritters	
38	Alder	Allison	14	101	170	0.29	3.28	2.80	PR-	13	0.85	85.0	3.3	0.48	-0.8	-0.3	0.3	2.5	59.2	DQ	Menastash Grange	Alder Farms
27	Anderson	Georgina	R11	65	135	0.21	2.41	2.45	CH+	12	0.86	67.5	2.5	-0.04	0.0	0.0	0.0	2.5	59.0	DQ	Sheepsteers	Dalton Farms
2	Smith	Jordan	B4	47	98	0.12	2.43	2.08	CH	11	0.63	49.0	1.6	0.35	-0.6	0.3	1.2	2.5	54.6	DQ	Menastash Grange	Jordan Smith Book Bunnies Farm
51	Muratore	Caitlyn	R7	64	103	0.12	2.2	2.13	PR-	13	0.48	51.5	1.6	0.07	0.0	-0.3	1.2	2.5	54.1	DQ	Menastash Grange	Jalina Blackmore
15	Barr	Sadie	B6	81	158	0.28	3.46	2.68	CH	11	0.95	79.0	3.2	0.78	-1.2	0.3	0.3	2.6	59.6	DQ	Sheepsteers	Lynette Miller
20	Rizor	Cora	B3	68	106	0.25	2.22	2.16	PR-	13	0.47	53.0	2.9	0.06	0.0	-0.3	0.0	2.6	58.4	DQ	This n That 4-H	Jim Bowen
12	Shafer	Carter	B5	52	96	0.13	2.4	2.06	CH	11	0.54	48.0	1.7	0.34	-0.6	0.3	1.2	2.6	54.5	DQ	Sheepsteers	Jim Bowen
28	Izzi	Raife	B6	52	105	0.13	2.08	2.15	PR-	13	0.65	52.5	1.7	-0.07	0.0	-0.3	1.2	2.6	53.8	DQ	Sheepsteers	Lynette Miller
76	Nicholson	Sofia	B6	115	152	0.2	2.61	2.62	CH	11	0.46	76.0	2.4	-0.01	0.0	0.3	0.0	2.7	59.4	DQ	Menastash Grange	Nicholson Livestock
78	Nicholson	Emeila	R9	93	138	0.14	2.87	2.48	CH	11	0.56	69.0	1.8	0.39	-0.6	0.3	1.2	2.7	55.4	DQ	Menastash Grange	Nicholson Livestock
59	Mattson	Michael	B4	106	161	0.19	2.52	2.71	CH+	12	0.68	80.5	2.3	-0.19	0.6	0.0	0.0	2.9	59.3	DQ	Kids & Kritters	Mary Nouwens
83	Schock	Wade	R10	75	134	0.4	3.63	2.44	PR+	15	0.73	67.0	4.4	1.19	-1.2	-1.2	0.9	2.9	57.1	DQ	Kids & Kritters	3M Sheep
40	Danielle	Carson	R7	80	159	0.33	3.16	2.69	PR	14	0.98	79.5	3.7	0.47	-0.8	-0.6	0.6	2.9	57.6	DQ	Menastash Grange	MB Livestock
21	Rizor	Cora	B5	78	130	0.2	2.27	2.40	CH+	12	0.64	65.0	2.4	-0.13	0.6	0.0	0.0	3.0	58.7	DQ	This n That 4-H	MB Livestock
42	Dunbar	Matthew	B4	87	156	0.3	2.85	2.66	CH	11	0.85	78.0	3.4	0.19	-0.6	0.3	0.3	3.4	58.3	DQ	Menastash Grange	Joy Lockwood
45	Feddema	Derrick	R8	91	146	0.18	2.4	2.56	CH-	10	0.68	73.0	2.2	-0.16	0.6	0.6	0.0	3.4	59.1	DQ	Menastash Grange	Jalina Blackmore
84	Schock	Wade	R9	90	153	0.4	3.63	2.63	PR	14	0.78	76.5	4.4	1.00	-1.2	-0.6	0.9	3.5	57.1	DQ	Kids & Kritters	3M Sheep
71	Nicholson	Annabelle	B10	72	111	0.14	1.94	2.21	CH	11	0.48	55.5	1.8	-0.27	0.6	0.3	1.2	3.9	53.5	DQ	Menastash Grange	Nicholson Livestock
1	Novotny	Chael	B9	73	118	0.11	1.72	2.28	CH	11	0.56	59.0	1.5	-0.56	1.2	0.3	1.2	4.2	53.2	DQ	Menastash Grange	Jalina blackmore
62	Boitano	Elise	R12	82	110	0.06	1.81	2.20	G	0	0.35	55.0	1.0	-0.39	0.8	0.9	3.0	5.7	46.4	DQ	Thorp FFA	Jarred Fudacz
63	Muratore	Michael	R8	55	85	0.08	1.53	1.95	CH	11	0.37	42.5	1.2	-0.42	1.2	0.3	3.0	5.7	45.7	DQ	Menastash Grange	MB Livestock
48	Muratore	Josie	R9	38	83	0.07	1.35	1.93	CH-	10	0.56	41.5	1.1	-0.58	1.2	0.6	3.0	5.9	45.4	DQ	Menastash Grange	Lil Buckaroo Farms
61	Boitano	Elise	R10	72	99	0.09	1.6	2.09	G	0	0.33	49.5	1.3	-0.49	1.2	0.9	3.0	6.4	45.8	DQ	Thorp FFA	Jarred Fudacz