

LAMB CARCASS DATA – KITTITAS COUNTY FAIR – 2019

INTRODUCTION AND EXPLANATION OF TERMS

Market lamb evaluation for 2019 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 both the exhibitor and breeder 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**

2019 Lamb of Merit carcass evaluation

Fat thickness .15-.25; LEA >/= req'd LEA; ADG >/= .6

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Tag #	Carcass rank	Last name	First name	Market class placing	Pre-show wt	Fair wt	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	Breeder	Club
127	1	Anderson	Georgina	B6	98	143	0.15	3.43	2.53	Ch+	12	0.61	71.5	1.9	0.90	-1.2	0.0	0.0	0.7	61.3	LoM	Dalton Suffolks	Sheepsteers
185	2	Danielle	Carson	B8	72	121	0.15	2.84	2.31	Ch+	12	0.66	60.5	1.9	0.53	-1.2	0.0	0.0	0.7	60.1	LoM	MB Livestock	Fairview 4-H
166	3	Ireland	Rowan	R7	54	110	0.15	2.81	2.20	Ch+	12	0.76	55.0	1.9	0.61	-1.2	0.0	0.0	0.7	60.0	LoM	Hunter Farms	Kittitas FFA
129	4	Engle	Katie	B4	87	155	0.16	4.15	2.65	Ch+	12	0.92	77.5	2.0	1.50	-1.2	0.0	0.0	0.8	62.7	LoM	Lynette Miller	Kids & Kritters
146	5	Best	Mattea	R13	81	145	0.16	3.95	2.55	Ch+	12	0.86	72.5	2.0	1.40	-1.2	0.0	0.0	0.8	62.3	LoM	Cody Noyes	Kittitas FFA
193	6	Bayne	Luke	B4	87	134	0.16	3.37	2.44	Ch+	12	0.64	67.0	2.0	0.93	-1.2	0.0	0.0	0.8	61.1	LoM	Wango Farms	Kids & Kritters
138	7	Mullings	Wyatt	B6	70	130	0.16	3.32	2.40	Ch+	12	0.81	65.0	2.0	0.92	-1.2	0.0	0.0	0.8	61.0	LoM	Wango Farms	Sheepsteers
145	8	Best	Mattea	R11	60	114	0.16	3.18	2.24	Ch+	12	0.73	57.0	2.0	0.94	-1.2	0.0	0.0	0.8	60.7	LoM	Darrin Magruder	Kittitas FFA
187	9	Danielle	Reagan	B5	90	142	0.16	3.03	2.52	Ch+	12	0.70	71.0	2.0	0.51	-1.2	0.0	0.0	0.8	60.4	LoM	MB Livestock	Fairview 4-H
126	10	Anderson	Georgina	B7	81	128	0.18	3.75	2.38	Ch+	12	0.64	64.0	2.2	1.37	-1.2	0.0	0.0	1.0	61.8	LoM	Lynette Miller	Sheepsteers
128	11	Engle	Katie	B9	77	131	0.18	3.77	2.41	Ch+	12	0.73	65.5	2.2	1.36	-1.2	0.0	0.0	1.0	61.8	LoM	Westwind Suffolks	Kids & Kritters
116	12	Fiske	Cecilia	B9	80	130	0.18	3.43	2.40	Ch+	12	0.68	65.0	2.2	1.03	-1.2	0.0	0.0	1.0	61.1	LoM	Jeff Mertes	Sheepsteers
147	13	Mabbutt	Rachael	R11	69	138	0.18	3.35	2.48	Ch+	12	0.93	69.0	2.2	0.87	-1.2	0.0	0.0	1.0	61.0	LoM	Bev Baker	Hard to Beat
183	14	Bala	Derynn	R8	74	120	0.19	3.65	2.30	Ch+	12	0.62	60.0	2.3	1.35	-1.2	0.0	0.0	1.1	61.5	LoM	Westwind Suffolks	Kids & Kritters
161	15	Watts	Shianne	5	88	144	0.19	3.58	2.54	Ch+	12	0.76	72.0	2.3	1.04	-1.2	0.0	0.0	1.1	61.4	LoM	Mike Cummings Hampsh	This n That 4-H
125	16	Bowen	Ethan	B7	70	117	0.19	3.55	2.27	Ch+	12	0.64	58.5	2.3	1.28	-1.2	0.0	0.0	1.1	61.3	LoM	Lynette Miller	Sheepsteers
167	17	Ireland	Madison	B10	64	131	0.19	3.17	2.41	Ch+	12	0.91	65.5	2.3	0.76	-1.2	0.0	0.0	1.1	60.6	LoM	Darrin Magruder	Kittitas FFA
141	18	Mullings	Vivian	B6	68	120	0.16	3.11	2.30	Ch	11	0.70	60.0	2.0	0.81	-1.2	0.3	0.0	1.1	60.6	LoM	Wango Farms	Sheepsteers
179	19	Seth	Skylee	B9	96	145	0.20	3.75	2.55	Ch+	12	0.66	72.5	2.4	1.20	-1.2	0.0	0.0	1.2	61.7	LoM		Kids & Kritters
159	20	Bergren-Cooke	Kelsey	B10	94	144	0.20	3.46	2.54	Ch+	12	0.68	72.0	2.4	0.92	-1.2	0.0	0.0	1.2	61.1	LoM	Westwind Suffolks	Kids & Kritters
184	21	Kavanaugh	Russell	B4	95	143	0.20	3.34	2.53	Ch+	12	0.65	71.5	2.4	0.81	-1.2	0.0	0.0	1.2	60.9	LoM	MB Livestock	Fairview 4-H
191	22	Mattson	Veronica	B5	102	153	0.17	3.85	2.63	Ch	11	0.69	76.5	2.1	1.22	-1.2	0.3	0.0	1.2	62.0	LoM	Westwind Suffolks	Kids & Kritters
180	23	Bala	Olin	R12	58	130	0.17	3.11	2.40	Ch	11	0.97	65.0	2.1	0.71	-1.2	0.3	0.0	1.2	60.5	LoM	Darrin Magruder	Kids & Kritters
118	24	Olea	Raylene	R15	73	136	0.18	3.59	2.46	Ch	11	0.85	68.0	2.2	1.13	-1.2	0.3	0.0	1.3	61.5	LoM	Bev Baker	Sheepsteers
133	25	Schott	Chyanne	15	85	135	0.18	3.53	2.45	Ch	11	0.68	67.5	2.2	1.08	-1.2	0.3	0.0	1.3	61.3	LoM	MB Livestock	Fairview 4-H
120	26	Campbell	Evan	10	76	131	0.18	3.22	2.41	Ch	11	0.74	65.5	2.2	0.81	-1.2	0.3	0.0	1.3	60.7	LoM	Hanson Livestock	Sheepsteers
131	27	Schott	Kacee	B5	64	116	0.18	3.17	2.26	Ch	11	0.70	58.0	2.2	0.91	-1.2	0.3	0.0	1.3	60.6	LoM	MB Livestock	Fairview 4-H
148	28	Mabbutt	Rachael	R12	72	149	0.18	3.13	2.59	Ch	11	1.04	74.5	2.2	0.54	-1.2	0.3	0.0	1.3	60.5	LoM	Bev Baker	Hard to Beat
111	29	Wade	Jackson	B5	82	133	0.18	3.05	2.43	Ch	11	0.69	66.5	2.2	0.62	-1.2	0.3	0.0	1.3	60.4	LoM	Wango Farms	Sheepsteers
122	30	Kocher	Lauren	R13	67	123	0.18	3.03	2.33	Ch	11	0.76	61.5	2.2	0.70	-1.2	0.3	0.0	1.3	60.3	LoM	Bev Baker	Sheepsteers
137	31	Smith	Ava	R12	83	142	0.21	4.41	2.52	Ch+	12	0.80	71.0	2.5	1.89	-1.2	0.0	0.0	1.3	63.0	LoM	Cody Noyes	Kittitas FFA
196	32	Mattson	Chloe	B5	97	145	0.21	4.31	2.55	Ch+	12	0.65	72.5	2.5	1.76	-1.2	0.0	0.0	1.3	62.8	LoM	Sarah Smith	Kids & Kritters
158	33	Bergren-Cooke	Haley	B6	106	154	0.21	3.94	2.64	Ch+	12	0.65	77.0	2.5	1.30	-1.2	0.0	0.0	1.3	62.0	LoM	Westwind Suffolks	Kids & Kritters
170	34	Moon	Adler	R11	92	144	0.21	3.71	2.54	Ch+	12	0.70	72.0	2.5	1.17	-1.2	0.0	0.0	1.3	61.6	LoM	Adler Moon	Kids & Kritters

100	35	Lyyski	Payton	1	95	143	0.21	3.30	2.53	Ch+	12	0.65	71.5	2.5	0.77	-1.2	0.0	0.0	1.3	60.8	LoM	Albrecht Livestock	Grow Em & Show Em
110	36	Wade	Jackson	R12	87	144	0.19	3.42	2.54	Ch	11	0.77	72.0	2.3	0.88	-1.2	0.3	0.0	1.4	61.1	LoM	Wango Farms	Sheepsteers
104	37	Sullivan	Daniel	B6	72	132	0.19	3.40	2.42	Ch	11	0.81	66.0	2.3	0.98	-1.2	0.3	0.0	1.4	61.0	LoM	Wango Farms	Sheepsteers
168	38	Ireland	Madison	R9	54	110	0.22	3.08	2.20	Ch+	12	0.76	55.0	2.6	0.88	-1.2	0.0	0.0	1.4	60.3	LoM	Hunter Farms	Kittitas FFA
186	39	Danielle	Paige	B10	77	122	0.19	2.79	2.32	Ch+	12	0.61	61.0	2.3	0.47	-0.8	0.0	0.0	1.5	59.8	LoM	MB Livestock	Fairview 4-H
134	40	Best	Dixie	R8	76	128	0.20	3.60	2.38	Ch	11	0.70	64.0	2.4	1.22	-1.2	0.3	0.0	1.5	61.4	LoM	Cody Noyes	Kittitas FFA
144	41	Moore	Ethan	R12	70	123	0.20	2.91	2.33	Ch	11	0.72	61.5	2.4	0.58	-1.2	0.3	0.0	1.5	60.0	LoM	Bev Baker	Sheepsteers
140	42	Mullings	Vivian	R10	77	129	0.17	2.70	2.39	Ch+	12	0.70	64.5	2.1	0.31	-0.6	0.0	0.0	1.5	59.7	LoM	Bev Baker	Sheepsteers
130	43	Schott	Kacee	B6	94	141	0.23	3.80	2.51	Ch+	12	0.64	70.5	2.7	1.29	-1.2	0.0	0.0	1.5	61.7	LoM	Cook Farms	Fairview 4-H
121	44	Kocher	Lauren	B5	71	121	0.23	3.47	2.31	Ch+	12	0.68	60.5	2.7	1.16	-1.2	0.0	0.0	1.5	61.0	LoM	Bev Baker	Sheepsteers
150	45	Alder	Taylor	11	113	163	0.24	3.74	2.73	Ch+	12	0.68	81.5	2.8	1.01	-1.2	0.0	0.0	1.6	61.5	LoM	Alder Farm	Fairview 4-H
177	46	Seth	Dailey	B8	92	145	0.24	3.34	2.55	Ch+	12	0.72	72.5	2.8	0.79	-1.2	0.0	0.0	1.6	60.7	LoM		Kids & Kritters
119	47	Campbell	Evan	8	85	142	0.21	3.65	2.52	Ch	11	0.77	71.0	2.5	1.13	-1.2	0.3	0.0	1.6	61.5	LoM	Hanson Livestock	Sheepsteers
181	48	Bala	Olin	R12	83	132	0.21	3.23	2.42	Ch	11	0.66	66.0	2.5	0.81	-1.2	0.3	0.0	1.6	60.6	LoM	Westwind Suffolks	Kids & Kritters
198	49	Williams	Hannah	R13	76	146	0.21	3.18	2.56	Ch	11	0.95	73.0	2.5	0.62	-1.2	0.3	0.0	1.6	60.5	LoM	Kristine Williams	Get Up & Go
124	50	Bowen	Ethan	R9	61	115	0.21	3.11	2.25	Ch	11	0.73	57.5	2.5	0.86	-1.2	0.3	0.0	1.6	60.4	LoM	Wango Farms	Sheepsteers
194	51	Mattson	Kaden	R10	107	165	0.25	3.81	2.75	Ch+	12	0.78	82.5	2.9	1.06	-1.2	0.0	0.0	1.7	61.6	LoM	Maki & Smith Farms	Kids & Kritters
132	52	Schott	Chyanne	B9	87	137	0.16	2.78	2.47	Ch	11	0.68	68.5	2.0	0.31	-0.6	0.3	0.0	1.7	59.9	LoM	Cook Farms	Fairview 4-H
117	53	Olea	Raylene	R13	87	139	0.16	2.74	2.49	Ch	11	0.70	69.5	2.0	0.25	-0.6	0.3	0.0	1.7	59.8	LoM	Bev Baker	Sheepsteers
107	54	Longo	Avery	B8	94	148	0.22	3.06	2.58	Ch+	12	0.73	74.0	2.6	0.48	-0.8	0.0	0.0	1.8	60.2	LoM	Wango Farms	Sheepsteers
143	55	Moore	Dylan	R13	76	134	0.17	2.74	2.44	Ch	11	0.78	67.0	2.1	0.30	-0.6	0.3	0.0	1.8	59.8	LoM	Bev Baker	Sheepsteers
139	56	Mullings	Wyatt	R16	91	143	0.18	2.92	2.53	Ch	11	0.70	71.5	2.2	0.39	-0.6	0.3	0.0	1.9	60.1	LoM	Bev Baker	Sheepsteers
197	57	Mattson	Chloe	R11	97	152	0.24	3.68	2.62	Ch	11	0.74	76.0	2.8	1.06	-1.2	0.3	0.0	1.9	61.4	LoM	Westwind Suffolks	Kids & Kritters
105	58	Sullivan	Daniel	B3	74	120	0.21	2.66	2.30	Ch+	12	0.62	60.0	2.5	0.36	-0.6	0.0	0.0	1.9	59.5	LoM	Wango Farms	Sheepsteers
123	59	Kocher	Kipp	R14	75	132	0.22	2.74	2.42	Ch	11	0.77	66.0	2.6	0.32	-0.6	0.3	0.0	2.3	59.6	LoM	Park Creek Farm	Sheepsteers
178	60	Seth	Skylee	B7	67	131	0.19	2.49	2.41	Ch	11	0.86	65.5	2.3	0.08	0.0	0.3	0.0	2.6	59.2	LoM		Kids & Kritters
142	61	Moore	Dylan	R14	74	126	0.16	2.44	2.36	Ch-	10	0.70	63.0	2.0	0.08	0.0	0.6	0.0	2.6	59.2	LoM	Bev Baker	Sheepsteers
169		Moon	Adler	9	94	129	0.19	3.81	2.39	Ch+	12	0.47	64.5	2.3	1.42	-1.2	0.0	0.0	1.1	61.9	DQ	Katie Truly	Kids & Kritters
114		Dempsey	Kayser	7	106	140	0.19	3.04	2.50	Ch+	12	0.46	70.0	2.3	0.54	-1.2	0.0	0.0	1.1	60.3	DQ	MB Livestock	This n That 4-H
164		Smith	Kylie	3	96	128	0.16	3.79	2.38	Ch	11	0.43	64.0	2.0	1.41	-1.2	0.3	0.0	1.1	61.9	DQ	Kylie Smith	This n That 4-H
109		Wade	Avy	B7	97	139	0.20	3.79	2.49	Ch+	12	0.57	69.5	2.4	1.30	-1.2	0.0	0.0	1.2	61.8	DQ	Wango Farms	Sheepsteers
102		Basterrechea	McKenzie	B3	86	130	0.20	3.22	2.40	Ch+	12	0.59	65.0	2.4	0.82	-1.2	0.0	0.0	1.2	60.6	DQ	MB Livestock	Ellensburg FFA
162		Watts	Shianne	B2	72	116	0.17	3.18	2.26	Ch	11	0.59	58.0	2.1	0.92	-1.2	0.3	0.0	1.2	60.7	DQ	Adler Moon	This n That 4-H
175		Armstrong	Payton	B3	83	110	0.15	2.93	2.20	Ch-	10	0.36	55.0	1.9	0.73	-1.2	0.6	0.0	1.3	60.3	DQ	CPA Club Lambs	Country Roots 4-H Club
108		Wade	Avy	B10	93	137	0.21	3.36	2.47	Ch+	12	0.59	68.5	2.5	0.89	-1.2	0.0	0.0	1.3	60.9	DQ	Wango Farms	Sheepsteers
115		Fiske	Cecilia	R11	78	121	0.19	3.64	2.31	Ch	11	0.58	60.5	2.3	1.33	-1.2	0.3	0.0	1.4	61.5	DQ	Lynette Miller	Sheepsteers
174		Ketzenberg	Jessica	B3	98	122	0.19	3.38	2.32	Ch	11	0.32	61.0	2.3	1.06	-1.2	0.3	0.0	1.4	61.0	DQ	CPA Club Lambs	Country Roots 4-H Club
152		Nicholson	Annabelle	B7	121	151	0.19	3.28	2.61	Ch	11	0.41	75.5	2.3	0.67	-1.2	0.3	0.0	1.4	60.8	DQ	Belarselai	This n That 4-H
106		Longo	Avery	B6	78	114	0.10	2.82	2.24	Ch+	12	0.49	57.0	1.4	0.58	-1.2	0.0	1.2	1.4	55.4	DQ	Wango Farms	Sheepsteers
165		Smith	Kylie	R8	69	110	0.19	2.68	2.20	Ch+	12	0.55	55.0	2.3	0.48	-0.8	0.0	0.0	1.5	59.6	DQ	Kylie Smith	This n That 4-H

154		Nicholson	Sofia	R9	120	147	0.20	3.32	2.57	Ch	11	0.36	73.5	2.4	0.75	-1.2	0.3	0.0	1.5	60.8	DQ	Belarselai	This n That 4-H
188		Blackmore	Kayliana	B3	97	140	0.23	3.87	2.50	Ch+	12	0.58	70.0	2.7	1.37	-1.2	0.0	0.0	1.5	61.8	DQ	MB Livestock	This n That 4-H
189		Blackmore	Kayliana	B8	95	138	0.23	3.30	2.48	Ch+	12	0.58	69.0	2.7	0.82	-1.2	0.0	0.0	1.5	60.7	DQ	Jalina Blackmore	This n That 4-H
101		Lyyski	Payton	2	124	156	0.25	3.54	2.66	Ch+	12	0.43	78.0	2.9	0.88	-1.2	0.0	0.0	1.7	61.1	DQ	Cory Brothers Club Lambs	Grow Em & Show Em
103		Basterrechea	McKenzie	B3	95	132	0.25	3.27	2.42	Ch+	12	0.50	66.0	2.9	0.85	-1.2	0.0	0.0	1.7	60.5	DQ	MB Livestock	Ellensburg FFA
135		Best	Dixie	R15	77	144	0.27	3.12	2.54	Ch+	12	0.91	72.0	3.1	0.58	-1.2	0.0	0.3	2.2	59.0	DQ	Darrin Magruder	Kittitas FFA
136		Smith	Ava	R14	78	143	0.14	2.97	2.53	Ch+	12	0.88	71.5	1.8	0.44	-0.8	0.0	1.2	2.2	55.6	DQ	Darrin Magruder	Kittitas FFA
190		Mattson	Veronica	R11	82	128	0.12	2.91	2.38	Ch-	10	0.62	64.0	1.6	0.53	-1.2	0.6	1.2	2.2	55.5	DQ	Westwind Suffolks	Kids & Kritters
157		Bergren-Cooke	Haley	B5	71	114	0.14	2.69	2.24	Ch+	12	0.58	57.0	1.8	0.45	-0.8	0.0	1.2	2.2	55.0	DQ	Wango Farms	Kids & Kritters
176		Seth	Dailey	B9	69	123	0.13	2.72	2.33	Ch+	12	0.73	61.5	1.7	0.39	-0.6	0.0	1.2	2.3	55.1	DQ		Kids & Kritters
182		Bala	Derynn	R11	65	119	0.14	2.63	2.29	Ch-	10	0.73	59.5	1.8	0.34	-0.6	0.6	1.2	3.0	54.9	DQ	Darrin Magruder	Kids & Kritters
153		Nicholson	Annabelle	B4	88	124	0.14	2.49	2.34	Ch-	10	0.49	62.0	1.8	0.15	-0.6	0.6	1.2	3.0	54.6	DQ	MB Livestock	This n That 4-H
172		LaValley	Ava	6	71	112	0.14	2.26	2.22	Ch	11	0.55	56.0	1.8	0.04	0.0	0.3	1.2	3.3	54.2	DQ	Johnston Club Lambs	Kids & Kritters
149		Alder	Taylor	B3	120	165	0.40	4.46	2.75	Ch+	12	0.61	82.5	4.4	1.71	-1.2	0.0	0.9	4.1	58.7	DQ	Alder Farm	Fairview 4-H