

GOAT CARCASS DATA – KITTITAS COUNTY FAIR – 2023

INTRODUCTION AND EXPLANATION OF TERMS

Market goat evaluation was conducted using, in part, ultrasound technology. Goats were ultra sounded between the 12th and 13th rib, the location where an actual carcass would be split in processing and where a USDA grader would obtain measurements. With ultrasound, it is possible to measure the area of the loin eye and the thickness of external fat cover over the loin eye. In addition, the body wall thickness was measured to provide an estimate of yield. Loin eye area (LEA), body wall thickness (BWT), and average daily gain (ADG) were standardized to a common weight for accurate comparison.

For animals that didn't qualify for the Goat of Merit award, the criteria that failed to meet the required specifications are highlighted in red.

GOAT OF MERIT SPECIFICATIONS

1. Fair weight must exceed 70 lbs.
2. Backfat must be at least .05"
3. ADG must be at least .4 lbs.

COLUMNS

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| 1. Ear tag number | 11. LEA Index: Ranking based on LEA |
| 2. Carcass Placing | 12. Average daily gain: Difference between fair weight and pre-show weight divided by the number of days on feed |
| 3. Name of exhibitor | 13. ADG Index: Ranking based on ADG that factors into final index |
| 4. Pre-show weight: weight at June pre-show | 14. Final Index: Ranking including LEA and ADG |
| 5. Fair weight: weight at entry to fair | 13. Goat of Merit specification: indicates whether the goat met the criteria for Goat of Merit |
| 6. Live placing: animal placing within the market class at fair | 15. Breeder |
| 7. Top 15 | 16. Club |
| 8. Backfat: depth of the external fat cover between the 12 th and 13 th rib | |
| 9. Loin eye area: area (in square inches) of the cross-section of the longissimus dorsi muscle as measured by ultrasound | |
| 10. Adjusted LEA: A calculated adjustment to equalize for weight | |

2023 Goat Carcass Data - KCF

Goat of Merit criteria

Live Weight ≥ 70 lbs.

ADG ≥ .4 lb./d

Ranking based on loin eye area and average daily gain

Tag #	Carcass placing	Name		Pre-show wt. (lb.)	Fair wt. (lb.)	Fair wt (kg)	Live placing	Backfat (in.)	LEA (in. ²)	Inches LEA / cwt	Adj. LEA	LEA index	ADG	ADG index	Final index	Goat of Merit	Club	Breeder
108	1	Makenzie	Cox	68	108	49.0	3	0.05	2.4	2.22	0.13	1.29	0.49	0.1777	100.73	GoM	This n That 4-H	Tasker Goat Brigade
89	2	Azlyn	Clark	67	125	56.7	B5	0.05	2.15	1.72	0.10	-0.43	0.72	2.1406	100.86	GoM	Thorp 4-H	April Bergford
107	3	Makenzie	Cox	62	97	44.0	8	0.05	2.26	2.33	0.13	1.47	0.43	-0.3675	100.55	GoM	This n That 4-H	JCross Heritage Farms
96	4	Holly	Harwood	70	116	52.6	7	0.05	2.27	1.96	0.12	0.39	0.57	0.8320	100.61	GoM	Menastash Grange	Amy Luberow
95	5	Madison	Stansbury	51	86	39.0	14	0.05	2.04	2.37	0.13	1.36	0.43	-0.3675	100.50	GoM	This n That 4-H	Diana Tasker
103	6	Ryan	Taylor	63	95	43.1	B6	0.05	2.24	2.36	0.13	1.53	0.40	-0.6947	100.42	GoM	This n That 4-H	Tasker Goat Brigade
94	7	Brooklyn	Newberry	59	94	42.6	13	0.05	2.14	2.28	0.13	1.20	0.43	-0.3675	100.41	GoM	This n That 4-H	Diana Tasker
102	8	Ryan	Taylor	60	97	44.0	B5	0.05	2.05	2.11	0.12	0.64	0.46	-0.1494	100.25	GoM	This n That 4-H	Tasker Goat Brigade
105	9	Victoria	Mitchell	69	122	55.3	10	0.05	1.96	1.61	0.10	-0.93	0.65	1.5954	100.33	GoM	Country Roots 4-H Club	Tasker goat Brigade
114	10	Garrett	Foster	74	127	57.6	12	0.05	1.99	1.57	0.10	-1.03	0.65	1.5954	100.28	GoM	Menastash Grange	Seamik6
97	11	Bailey	Harwood	61	97	44.0	B4	0.05	2	2.06	0.12	0.44	0.44	-0.2585	100.09	GoM	Menastash Grange	Dana Risto
90	12	Azlyn	Clark	82	124	56.2	B4	0.05	2.23	1.80	0.11	-0.13	0.52	0.3958	100.13	GoM	Thorp 4-H	April Bergford
110	13	Noah	Mothershead	67	104	47.2	11	0.05	2.05	1.97	0.11	0.23	0.46	-0.1494	100.04	GoM	This n That 4-H	Diana Tasker
111	14	Sadie	Foster	50	83	37.6	B2	0.05	1.81	2.18	0.12	0.58	0.41	-0.5856	100.00	GoM	Menastash Grange	7N7
98	15	Hannah	Moore	77	127	57.6	4	0.05	1.98	1.56	0.09	-1.06	0.62	1.2682	100.10	GoM	This n That 4-H	Heather Gallagher
100	16	Kelsey	Moore	68	106	48.1	5	0.05	2.02	1.91	0.11	0.01	0.47	-0.0404	99.99	GoM	This n That 4-H	Amy Libenow
112	17	Sadie	Foster	70	116	52.6	9	0.05	1.91	1.65	0.10	-0.85	0.57	0.8320	99.99	GoM	Menastash Grange	Seamik6
99	18	Hannah	Moore	71	110	49.9	2	0.05	1.91	1.74	0.10	-0.59	0.48	0.0687	99.74	GoM	This n That 4-H	Jesse Cox
113	19	Garrett	Foster	72	117	53.1	B4	0.05	1.75	1.50	0.09	-1.44	0.56	0.7230	99.64	GoM	Menastash Grange	Seamik6
106	20	Victoria	Mitchell	50	86	39.0	B4	0.05	1.57	1.83	0.10	-0.66	0.44	-0.2585	99.54	GoM	Country Roots 4-H Club	Tasker goat Brigade
94	21	Madison	Stansbury	52	93	42.2	B2	0.05	1.54	1.66	0.09	-1.17	0.51	0.2868	99.56	GoM	This n That 4-H	Diana Tasker
104	22	Olivia	Mitchell	56	91	41.3	15	0.05	1.63	1.79	0.10	-0.70	0.43	-0.3675	99.47	GoM	Ellensburg FFA	Tasker goat Brigade
93	23	Noah	Newberry	58	91	41.3	R2	0.05	1.66	1.82	0.10	-0.57	0.41	-0.5856	99.42	GoM	This n That 4-H	April Richter
101	24	Kelsey	Moore	65	101	45.8	6	0.05	1.42	1.41	0.08	-2.00	0.44	-0.2585	98.87	GoM	This n That 4-H	Heather Gallagher
91	25	Brooklyn	Newberry	50	76	34.5	R1	0.05	1.84	2.42	0.13	1.27	0.32	-1.3490	99.96	NQ	This n That 4-H	Diana Tasker
115		Blake	Peak	51	74	33.6	R2	0.05	1.72	2.32	0.12	0.87	0.28	-1.6762	99.59	NQ	Menastash Grange	Seamus 6 Farm
116		Blake	Peak	68	84	38.1	B5	0.05	1.76	2.10	0.11	0.29	0.20	-2.4395	98.92	NQ	Menastash Grange	Tasker Goat Brigade
118		Ayven	Moon	85	115	52.2	1	0.05	1.82	1.58	0.09	0.85	0.37	0.7819	100.82	NQ	Kids & Kritters	Lexi Amundson
109		Noah	Mothershead	54	80	36.3	B3	0.05	1.48	1.85	0.10	-0.69	0.32	-1.3490	98.98	NQ	This n That 4-H	Tasker goat brigade