

GOAT CARCASS DATA – KITTTAS COUNTY FAIR – 2018

INTRODUCTION AND EXPLANATION OF TERMS

Market goat evaluation for 2018 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 | 10. LEA Index: Ranking based on LEA |
| 2. Carcass Placing | 11. Average daily gain: Difference between fair weight and pre-show weight divided by the number of days on feed |
| 3. Name of exhibitor | 12. ADG Index: Ranking based on ADG that factors into final index |
| 4. Pre-show weight: weight at June pre-show | 13. 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. Backfat: depth of the external fat cover between the 12 th and 13 th rib | 16. Club |
| 8. Loin eye area: area (in square inches) of the cross-section of the longissimus dorsi muscle as measured by ultrasound | |
| 9. Adjusted LEA: A calculated adjustment to equalize for weight | |

2018 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

LEA 0.5

ADG 0.5

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	Breeder	Club
640	1	Avory	Clark	47	103	46.7	R2	0.05	2.26	2.19	0.13	0.93	0.69	2.1840	101.56	GoM	Jan Clark/John Hocker	Kittitas Flyers
641	2	Avory	Clark	50	95	43.1	B5	0.05	2.46	2.59	0.15	2.26	0.56	0.6482	101.46	GoM	Jan Clark/John Hocker	Kittitas Flyers
635	3	Jorja	Cox	57	106	48.1	2	0.05	2.33	2.20	0.13	1.01	0.60	1.2067	101.11	GoM	Dash Acres	Sheepsteers
630	4	Chase	Heard	63	125	56.7	R4	0.05	1.96	1.57	0.09	-1.20	0.77	3.0217	100.91	GoM	Heardmont Farm	Kittitas Flyers
621	5	Victoria	Mitchell	65	107	48.5	R1	0.05	2.4	2.24	0.13	1.20	0.52	0.2294	100.72	GoM	Kaorda Farm	Sheepsteers
639	6	Azlyn	Clark	38	88	39.9	7	0.05	1.79	2.03	0.11	0.00	0.62	1.3463	100.67	GoM	Jan Clark/John Hocker	Kittitas Flyers
586	7	Jason	Libenow	62	104	47.2	15	0.05	2.25	2.16	0.12	0.83	0.52	0.2294	100.53	GoM	Jason Libenow	Hard to Beat
624	8	Camille	Wichers	45	87	39.5	R1	0.05	1.93	2.22	0.12	0.67	0.52	0.2294	100.45	GoM	April Richter	Kittitas Flyers
590	9	Molly	McNutt	54	101	45.8	4	0.05	1.94	1.92	0.11	-0.17	0.58	0.9274	100.38	GoM	Jadja Boers	This N That
584	10	Olya	Libenow	56	97	44.0	14	0.05	2.09	2.15	0.12	0.65	0.51	0.0898	100.37	GoM	Olya Libenow	Hard to Beat
638	11	Azlyn	Clark	45	89	40.4	12	0.05	1.84	2.07	0.11	0.15	0.54	0.5086	100.33	GoM	Jan Clark/John Hocker	Kittitas Flyers
632	12	Carli	Gay	46	91	41.3	6	0.05	1.8	1.98	0.11	-0.15	0.56	0.6482	100.25	GoM	Frank Gilson	This N That
634	13	Jorja	Cox	65	107	48.5	1	0.05	2.08	1.94	0.11	0.03	0.52	0.2294	100.13	GoM	Dash Acres	Sheepsteers
585	14	Jason	Libenow	60	104	47.2	13	0.05	1.95	1.88	0.11	-0.29	0.54	0.5086	100.11	GoM	Jason Libenow	Hard to Beat
642	15	Sienna	Pascoe	52	89	40.4	3	0.05	1.91	2.15	0.12	0.44	0.46	-0.4687	99.99	GoM	Five O Boer Goats	Kittitas Flyers
622	16	Victoria	Mitchell	60	92	41.7	8	0.05	2.06	2.24	0.13	0.86	0.40	-1.1668	99.85	GoM	Five O Boer Goats	Sheepsteers
581	17	Kassidy	Bremner	67	109	49.4	R3	0.05	1.95	1.79	0.10	-0.55	0.52	0.2294	99.84	GoM	Three Butte-Jeri Marris	This N That
644	18	Dakota	Watts	64	96	43.5	R3	0.05	2.09	2.18	0.12	0.71	0.40	-1.1668	99.77	GoM	Tasker Goat Brigade	Sheepsteers
631	19	Chase	Heard	37	70	31.8	R2	0.05	1.57	2.24	0.12	0.32	0.41	-1.0272	99.64	GoM	Heardmont Farm	Kittitas Flyers
623	20	Camille	Wichers	50	92	41.7	R1	0.05	1.62	1.76	0.10	-0.95	0.52	0.2294	99.64	GoM	April Richter	Kittitas Flyers
643	21	Sienna	Pascoe	72	110	49.9	5	0.05	1.98	1.80	0.11	-0.49	0.47	-0.3291	99.59	GoM	Kaorda Farm	Kittitas Flyers
588	22	Maddison	Cookson	75	109	49.4	B6	0.05	1.86	1.71	0.10	-0.87	0.42	-0.8875	99.12	GoM	Cookson Farms	Sheepsteers
633	23	Carli	Gay	47	91	41.3	R2	0.05	1.24	1.36	0.08	-2.46	0.54	0.5086	99.02	GoM	Frank Gilson	This N That
582	24	Kassidy	Bremner	53	89	40.4	R3	0.05	1.42	1.60	0.09	-1.62	0.44	-0.6083	98.89	GoM	Three Butte-Jeri Marris	This N That
589	25	Molly	McNutt	49	81	36.7	16	0.05	1.34	1.65	0.09	-1.54	0.40	-1.1668	98.64	GoM	Jadja Boers	This N That
645		Dakota	Watts	56	86	39.0	R4	0.05	1.89	2.20	0.12	0.57	0.37	-1.4460	99.56	NQ	Tasker Goat Brigade	This N That
592		Dakota	Rivera	63	87	39.5	R2	0.05	1.81	2.08	0.11	0.15	0.30	-2.2837	98.93	NQ	Tasker Goat Brigade	This N That
626		Mikhayla	Perez	49	72	32.7	11	0.05	1.44	2.00	0.11	-0.49	0.28	-2.4233	98.54	NQ	Tasker Goat Brigade	Ellensburg FFA

0.05 1.90214 0.50

1.90214	0.1127	0.50
0.30806	0.0148339	0.09