

GOAT CARCASS DATA – KITTITAS COUNTY FAIR – 2019

INTRODUCTION AND EXPLANATION OF TERMS

Market goat evaluation for 2019 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

- | | |
|---|---|
| 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 | |

2019 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
300	1	Avory	Clark	57	99	44.9	B9	0.05	2.3	2.32	0.13	1.14	0.52	1.7674	101.46	GoM	Herdmont Farm LLC	Kittitas FFA
303	2	Carli	Gay	78	116	52.6	B9	0.05	2.43	2.09	0.12	0.63	0.47	0.8391	100.74	GoM	Frank Gilson	This n That
305	3	Samantha	Combs	51	86	39.0	12	0.05	2.11	2.45	0.14	1.31	0.43	0.1428	100.72	GoM	Tasker Goat Brigade	Fairview
319	4	Kassidy	Bremner	81	118	53.5	B8	0.05	2.42	2.05	0.12	0.50	0.46	0.6070	100.56	GoM	3- Butte	This n That
325	5	Maddison	Cookson	75	110	49.9	3	0.05	2.42	2.20	0.13	0.92	0.43	0.1428	100.53	GoM		Get Up & Go
301	6	Azlyn	Clark	51	93	42.2	B8	0.05	1.69	1.82	0.10	-0.75	0.52	1.7674	100.51	GoM	Herdmont Farms	Kittitas FFA
314	7	Jorja	Cox	78	117	53.1	2	0.05	2.17	1.85	0.11	-0.24	0.48	1.0711	100.42	GoM	Dash Acres	Sheepsteers
321	8	Kassidy	Bremner	74	109	49.4	B7	0.05	2.3	2.11	0.12	0.57	0.43	0.1428	100.36	GoM	R.W. Savill	This n That
304	9	Carli	Gay	65	100	45.4	B4	0.05	2.11	2.11	0.12	0.41	0.43	0.1428	100.27	GoM	Frank Gilson	This n That
312	10	Sienna	Pascoe	73	110	49.9	8	0.05	2.07	1.88	0.11	-0.24	0.46	0.6070	100.18	GoM	DeLeon Boer Goats	This n That
315	11	Jorja	Cox	74	109	49.4	1	0.05	2.18	2.00	0.12	0.17	0.43	0.1428	100.16	GoM	Dash Acres	Sheepsteers
311	12	Victoria	Mitchell	69	108	49.0	11	0.05	1.84	1.70	0.10	-0.92	0.48	1.0711	100.07	GoM	Tasker Goat Brigade	Sheepsteers
307	13	Annie	Combs	46	79	35.8	4	0.05	1.73	2.19	0.12	0.24	0.41	-0.3213	99.96	GoM	Tasker Goat Brigade	Fairview
326	14	Lexus	Haby	49	86	39.0	B7	0.05	1.61	1.87	0.10	-0.69	0.46	0.6070	99.96	GoM		Kittitas FFA
308	15	Summer	Armengol	58	90	40.8	B6	0.05	1.82	2.02	0.11	-0.09	0.40	-0.5534	99.68	GoM	Leaning Tree	Sheepsteers
328	16	Amy	McNutt	37	72	32.7	14	0.05	1.35	1.88	0.10	-0.96	0.43	0.1428	99.59	GoM	Elk Pines Boer Goats	This n That
302	17	Azlyn	Clark	52	91	41.3	B5	0.05	1.3	1.43	0.08	-2.14	0.48	1.0711	99.47	GoM	April Ritcher	Kittitas FFA
318	18	Dakota	Rivera	70	106	48.1	B6	0.05	1.52	1.43	0.08	-1.92	0.44	0.3749	99.23	GoM	Three Burkes Farm	This n That
309		Summer	Armengol	61	91	41.3	13	0.05	2.17	2.38	0.13	1.19	0.37	-1.0176	100.08	NQ	Leaning Tree	Sheepsteers
335		Chase	Heard	57	87	39.5	B4	0.05	2.04	2.34	0.13	0.96	0.37	-1.0176	99.97	NQ	Heardmont Farm LLC	Kittitas FFA
329		Amy	McNutt	43	72	32.7	B5	0.05	1.81	2.51	0.13	1.14	0.36	-1.2497	99.94	NQ	Elk Pines Boer Goats	This n That
330		Molly	McNutt	47	77	34.9	5	0.05	1.72	2.23	0.12	0.34	0.37	-1.0176	99.66	NQ		This n That
310		Olivia	Mitchell	63	89	40.4	9	0.05	2.12	2.38	0.13	1.13	0.32	-1.9459	99.59	NQ	Tasker Goat Brigade	Sheepsteers
306		Annie	Combs	53	81	36.7	7	0.05	1.68	2.07	0.11	-0.10	0.35	-1.4817	99.21	NQ	Tasker Goat Brigade	Fairview
320		Dakota	Rivera	67	98	44.5	B7	0.05	1.72	1.76	0.10	-0.89	0.38	-0.7855	99.16	NQ	Three Buttes Farm	This n That
336		Chase	Heard	61	90	40.8	B8	0.05	1.4	1.56	0.09	-1.71	0.36	-1.2497	98.52	NQ	Heardmont Farm LLC	Kittitas FFA

0.05 1.92423 0.42

1.92423	0.1142	0.42
0.33947	0.0160847	0.05