

Montana Table 6-5

Animal Unit Equivalent Guide

ANIMAL KIND / CLASS	ANIMAL UNIT EQUIVALENT (AUE)	NO. OF ANIMALS EQUAL TO 1 AU	AIR-DRY WEIGHT OF FORAGE CONSUMED (lbs.)		
			DAY	MONTH	YEAR
Cow, dry (1000 lbs.)*	.85	1.2	25.5	765	9180
Cow (1000 lbs.), with calf to 6 months	1.0	1.0	30	915	10,980
Cow (1100 lbs.), with calf to 4 months	1.1	.91	33	990	11,880
Cow (1200 lbs.), with calf to 4 months	1.2	.83	36	1080	12,960
Cow (1300 lbs.), with calf to 4 months	1.3	.77	39	1170	14,040
Calf, 4 months to weaning	0.3	3.3	9	270	3240
Yearling cattle, 7-12 months	0.56–0.65	1.5–1.8	17-19.5	510-585	6120-7020
Yearling cattle, 12-17 months	.75	1.3	22.5	675	8100
Heifers, 18-24 months	.86	1.2	26	780	9360
Bulls, 12-24 months	1.2	.83	36	1080	12,960
Bulls, mature (1850 lb. average)	1.5	.67	45	1350	16,200
Horse, yearling	0.75	1.3	22.5	675	8100
Horse, 2 year old	1.0	1.0	30	915	10,980
Horse, mature (1100 lbs.)	1.1	.91	33	990	11,880
Sheep, mature lactating ewe (150 lbs.), with lamb, less than 2 months	0.17	5.9	5.1	153	1836
Sheep, mature non-lactating ewe	0.15	7.1	4.5	135	1620
Lamb, 2 months to weaning	0.06	16.7	1.8	54	648
Lamb, weaned to yearling	0.12	8.3	3.6	108	1296
Lamb, yearling	0.15	6.7	4.5	135	1620
Ram (200 lbs.)	0.17	5.9	5.1	153	1836
Goat, mature	0.15	6.7	4.5	135	1620
Kid, yearling	0.10	10.0	3.0	90	1080
Llama, mature female	.23	4.3	6.9	207	2484
Bison, lactating cow, yearlong average	1.1	.91	33	990	11,880
Bison, lactating cow, spring	1.0	1.0	30	915	
Bison, lactating cow, summer	1.22	.82	36.6	1098	
Bison, lactating cow, fall	1.65	.61	49.5	1485	
Bison, lactating cow, winter	0.65	1.54	19.5	585	
Bison, bull	1.5	0.67	45	1350	16,200
White-tailed deer	.19	5.3	5.7	171	2052
Mule deer	.19	5.3	5.7	171	2052
Elk, mature	.70	1.4	21	630	7560
Moose	.81	1.2	24.3	729	8748
Bighorn sheep	.16	6.25	4.8	144	1728
Antelope	.13	7.7	3.9	117	1404

* Add 0.1 per additional 100 pounds of body weight for dry cows.

Figures are based on a daily air-dry matter intake of 2.2 to 3.0% of body weight, depending on the nutritional demands for the type and class of livestock and wildlife.

Wildlife values are based on the nutritional needs of average-sized breeding females.

Montana Figure 6-4.5

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