

Nutrition Levels Whiskey Mountain Seasonal Ranges

	Lambing Lake Louise; late June				Summer Middle Mountain; July			
	Forage Content 1998	Forage Content 2002	Lamb NRC Requirement ^a	Ewe NRC Requirement	Forage Content 1998	Forage Content 2002	Lamb NRC Requirement	Ewe NRC Requirement
ADF ^b	32.90%	34.40%			34.10%	31.40%		
Calcium	0.60%	0.38%	0.82%	0.32%	0.54%	0.52%	0.54%	0.35%
Carotene	140 ppm ^c	230 ppm			130 ppm	250 ppm		
Cobalt			0.2 ppm	0.1 ppm			0.2 ppm	0.1 ppm
Copper	18.2 ppm	24.0 ppm	Mo < 1 ppm, then Cu 8 - 10 ppm; Mo > 3 ppm, then Cu 17 - 21 ppm	Mo < 1 ppm, then Cu 7 - 8 ppm; Mo > 3 ppm, then Cu 14 - 17 ppm	11.3 ppm	13.0 ppm	Mo < 1 ppm, then Cu 8 - 10 ppm; Mo > 3 ppm, then Cu 17 - 21 ppm	Mo < 1 ppm, then Cu 7 - 8 ppm; Mo > 3 ppm, then Cu 14 - 17 ppm
Iodine			0.18 - 0.27 ppm	0.80 ppm			0.18 - 0.27 ppm	0.80 ppm
Iron	121 ppm	140 ppm	30 - 50 ppm	30 - 50 ppm	105 ppm	110 ppm	30 - 50 ppm	30 - 50 ppm
Magnesium	0.19%	0.12%	0.12%	0.20%	0.22%	0.13%	0.12%	0.20%
Manganese	121 ppm	62 ppm	20 - 40 ppm	20 - 40 ppm	99.5 ppm	160 ppm	20 - 40 ppm	20 - 40 ppm
Molybdenum	1.30 ppm	2.60 ppm	> 0.50 ppm	> 0.50 ppm	0.67 ppm	0.80 ppm	> 0.50 ppm	> 0.50 ppm
Phosphorus	0.40%	0.26%	0.38%	0.26%	0.22%	0.28%	0.24%	0.28%
Potassium	2.40%	1.80%	0.50%	0.80%	1.90%	0.73%	0.50%	0.80%
Protein	15.90%	18.50%	12.80%	13.40%	16.50%	15.80%	12.80%	13.40%
Selenium	.025 ppm	0.056 ppm	0.100 - 0.200 ppm	0.100 - 0.200 ppm	.005 ppm	0.0399 ppm	0.100 - 0.200 ppm	0.100 - 0.200 ppm
Sodium	0.00%	0.009%	0.3600 - 0.4700%	0.3600 - 0.4700%	0.00%	0.006%	0.3600 - 0.4700%	0.3600 - 0.4700%
Sulfur	0.15%		0.180 - 0.260%	0.140 - 0.180%	0.11%		0.180 - 0.260%	0.140 - 0.180%
TDN ^d	62.90%	61.70%	65%	65%	62%	64%	65%	65%
Vit A	57,200 - 101,200 IU/kg ^e	41,500 - 72,700 IU/kg	1,175 IU/kg	2,380 IU/kg	52,800 - 92,400 IU/kg	45,200 - 79,100 IU/kg	1,175 IU/kg	2,380 IU/kg
Vit E			15 IU/kg	15 IU/kg			15 IU/kg	15 IU/kg
Zinc	41 ppm	35 ppm	20 ppm	33 ppm	34 ppm	34 ppm	20 ppm	33 ppm

^aNRC = National Research Council's national standards of recommended requirements for domestic sheep.

^bADF = Acid detergent fiber is the most indigestible portion of fiber and is comprised primarily of cellulose.

^cppm = Parts per million. One ppm is equivalent to 0.0001%

^dTDN = Total digestible nutrients is the most digestible portion of the sample.

^eIU = International Units