

Nutrient Requirements of Sheep

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Nutrient requirements of all livestock are based on the size of the animal, how active the animal is, the body growth rate, and/or the animal's level of milk production and fat content in milk produced. Maintenance requirements are for low levels of activity as when being fed in a dry lot situation. When animals are on pasture activity increases and these the requirements may be as much as 25% higher due to this increased activity.

The values listed in these tables are adapted from "Nutrient Requirements of Domestic Animals, Nutrient Requirements of Sheep", National Academy Press, 2101 Constitution Ave, N.W., Washington D.C. 20418.

Nutrient requirements of sheep (NRC, 1973).

Body Wt. Lb.	DMI Lb.	CP %	CP Lb.	DE Mcal.	TDN %	TDN Lb.	Ca %	P %
Ewes, maintenance								
110	2.2	8.9	0.20	2.42	55	1.21	0.30	0.28
154	2.6	8.9	0.23	2.90	55	1.43	0.27	0.25
176	2.9	8.9	0.26	3.15	55	1.60	0.25	0.24
Ewes, nonlactating, first 15 weeks gestation								
110	2.4	9.0	0.22	2.66	55	1.32	0.27	0.25
154	3.1	9.0	0.28	3.39	55	1.71	0.23	0.21
176	3.3	9.0	0.30	3.63	55	1.82	0.22	0.21

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Nutrient requirements of sheep (NRC, 1973; Continued).

Body Wt. Lb.	DMI Lb.	CP %	CP Lb.	DE Mcal.	TDN %	TDN Lb.	Ca %	P %
Ewes, last 6 Weeks gestation or last 8 weeks lactation suckling singles								
110	3.7	9.3	0.34	4.34	58	2.15	0.24	0.23
154	4.6	9.3	0.43	5.36	58	2.67	0.21	0.20
198	5.1	9.3	0.47	5.87	58	2.96	0.21	0.20
Ewes, first 8 weeks lactation suckling singles or last 8 weeks lactation suckling twins								
132	5.1	10.4	0.53	6.58	65	3.32	0.50	0.36
154	5.7	10.4	0.59	7.44	65	3.71	0.48	0.34
Ewes, first 8 weeks lactation suckling twins								
132	5.7	11.5	0.66	7.44	65	3.71	0.44	0.32
154	6.6	11.5	0.76	8.58	65	4.29	0.42	0.30
Ewes, replacement lambs and yearlings								
66	2.9	10.0	0.29	3.55	62	1.80	0.45	0.25
110	3.3	8.9	0.29	3.63	55	1.82	0.42	0.23
154	3.1	8.9	0.28	3.39	55	1.71	0.46	0.26
Rams, replacement lambs and yearlings								
132	5.1	9.5	0.48	6.10	60	3.06	0.31	0.17
176	6.2	8.9	0.55	6.78	55	3.41	0.28	0.16
220	6.2	8.9	0.55	6.78	55	3.41	0.30	0.17
Lambs, fattening								
66	2.9	11.0	0.32	3.65	64	1.86	0.37	0.23
88	3.5	11.0	0.39	4.93	70	2.45	0.31	0.19
110	4.0	11.0	0.44	5.54	70	2.80	0.28	0.17
Lambs, early weaned								
22	1.3	16.0	0.21	1.93	73	0.95	0.47	0.28
44	2.2	16.0	0.35	3.21	73	1.61	0.50	0.30
66	3.1	17.0	0.53	4.49	73	2.26	0.51	0.31

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