



NATIONAL ORGANIC PROGRAM

Dry Matter Demand Tables

For Classes of Dairy Goats



Adapted from: Nutrient Requirements of Small Ruminants: Sheep, Goats, Cervids, and New World Camelids, by Committee on Nutrient Requirements of Small Ruminants, Board on Agriculture and natural Resources, Division on Earth and Life Studies, The National Research Council, Washington, D.C.: National Academies Press. Copyright 2007 by National Academy of Sciences.

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Dairy Goats

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**Table 1 - 1: Daily Dry Matter Demand Requirements in Kilograms and Pounds
Mature Goat Does (Dairy) - Maintenance only and Breeding**

Current Body Weight (kg)	DMD (kg)	Current Body Weight (lb)	DMD (lb)
Maintenance only			
20	0.59	44.09	1.30
30	0.80	66.14	1.76
40	1.00	88.18	2.20
50	1.18	110.23	2.60
60	1.35	132.28	2.98
70	1.52	154.32	3.35
80	1.68	176.37	3.70
90	1.83	198.41	4.03
Breeding			
20	0.65	44.09	1.43
30	0.88	66.14	1.94
40	1.10	88.18	2.43
50	1.30	110.23	2.87
60	1.49	132.28	3.28
70	1.67	154.32	3.68
80	1.84	176.37	4.06
90	2.01	198.41	4.43

Abbreviations used in table: DMD = Dry Matter Demand, kg = Kilogram, lb = Pound

Adapted from: "Table 15-4," from *Nutrient Requirements of Small Ruminants: sheep, goats, cervids, and New World camelids*, by Committee on Nutrient Requirements of Small Ruminants, Board on Agriculture and Natural Resources, Division on Earth and Life Studies, The National Research Council, Washington, D.C.: National Academies Press. Copyright 2007 by National Academy of Sciences.

Table 1 - 2: Daily Dry Matter Demand Requirements in Kilograms and Pounds
Mature Goat Does (Dairy) - Early Gestation
Single Kid, Twin Kids, or Three or More Kids, Based on Kid Birth Weight

Current Body Weight (kg)	Expected Kid Birth Weight (kg)	DMD (kg)	Current Body Weight (lb)	Kid Birth Weight (lb)	DMD (lb)
Single kid					
20	2.3	0.70	44.09	5.07	1.54
30	2.9	0.94	66.14	6.39	2.07
40	3.4	1.15	88.18	7.50	2.54
50	3.8	1.35	110.23	8.38	2.98
60	4.2	1.54	132.28	9.26	3.40
70	4.6	1.72	154.32	10.14	3.79
80	4.9	1.89	176.37	10.80	4.17
90	5.2	2.06	198.41	11.46	4.54
Twin kids					
20	2.1	0.61	44.09	4.63	1.34
30	2.6	1.00	66.14	5.73	2.20
40	3.0	1.23	88.18	6.61	2.71
50	3.4	1.44	110.23	7.50	3.17
60	3.8	1.64	132.28	8.38	3.62
70	4.1	1.83	154.32	9.04	4.03
80	4.5	2.02	176.37	9.92	4.45
90	4.8	2.19	198.41	10.58	4.83
Three or more kids					
30	2.2	1.04	66.14	4.85	2.29
40	2.6	1.28	88.18	5.73	2.82
50	2.9	1.49	110.23	6.39	3.28
60	3.2	1.70	132.28	7.05	3.75
70	3.5	1.89	154.32	7.72	4.17
80	3.8	2.08	176.37	8.38	4.59
90	4.1	2.27	198.41	9.04	5.00

Abbreviations used in table: DMD = Dry Matter Demand, kg = Kilogram, lb = Pound

Adapted from: "Table 15-4," from Nutrient Requirements of Small Ruminants: sheep, goats, cervids, and New World camelids, by Committee on Nutrient Requirements of Small Ruminants, Board on Agriculture and Natural Resources, Division on Earth and Life Studies, The National Research Council, Washington, D.C.: National Academies Press. Copyright 2007 by National Academy of Sciences.

**Table 1 - 3: Daily Dry Matter Demand Requirements in Kilograms and Pounds
Mature Goat Does (Dairy) Late Gestation
Single Kid, Twin Kids, or Three or More Kids, Based on Kid Birth Weight**

Current Body Weight (kg)	Kid Birth Weight (kg)	DMD (kg)	Current Body Weight (lb)	Kid Birth Weight (lb)	DMD (lb)
Single kid					
20	2.3	0.60	44.09	5.07	1.32
30	2.9	0.95	66.14	6.39	2.09
40	3.4	1.15	88.18	7.50	2.54
50	3.8	1.67	110.23	8.38	3.68
60	4.2	1.89	132.28	9.26	4.17
70	4.6	2.11	154.32	10.14	4.65
80	4.9	2.31	176.37	10.80	5.09
90	5.2	2.50	198.41	11.46	5.51
Twin kids					
20	2.1	0.68	44.09	4.63	1.50
30	2.6	0.89	66.14	5.73	1.96
40	3.0	1.28	88.18	6.61	2.82
50	3.4	1.49	110.23	7.50	3.28
60	3.8	1.69	132.28	8.38	3.73
70	4.1	1.87	154.32	9.04	4.12
80	4.5	2.06	176.37	9.92	4.54
90	4.8	2.79	198.41	10.58	6.15
Three or more kids					
30	1.8	0.94	66.14	3.97	2.07
40	2.2	1.14	88.18	4.85	2.51
50	2.6	1.32	110.23	5.73	2.91
60	2.9	1.78	132.28	6.39	3.92
70	3.2	1.98	154.32	7.05	4.37
80	3.5	2.17	176.37	7.72	4.78
90	3.8	2.36	198.41	8.38	5.20

Abbreviations used in table: DMD = Dry Matter Demand, kg = Kilogram, lb = Pound

Adapted from: "Table 15-4," from Nutrient Requirements of Small Ruminants: sheep, goats, cervids, and New World camelids, by Committee on Nutrient Requirements of Small Ruminants, Board on Agriculture and Natural Resources, Division on Earth and Life Studies, The National Research Council, Washington, D.C.: National Academies Press. Copyright 2007 by National Academy of Sciences

Table 1 - 4: Daily Dry Matter Demand Requirements in Kilograms and Pounds
Mature Goat Does (Dairy) - Early Lactation Non-Parlor
Single Kid, Twin Kids, or Three or More Kids; Based on Milk Yield

Current Body Weight (kg)	Milk Yield (kg)	DMD (kg)	Current Body Weight (lb)	Milk Yield (lb)	DMD (lb)
Single kid (milk yield = 0.88 to 1.61 kg/d; 4% milk fat)					
30	0.88	1.21	66.14	1.94	2.67
40	1.03	1.48	88.18	2.27	3.26
50	1.16	1.73	110.23	2.56	3.81
60	1.29	1.98	132.28	2.84	4.37
70	1.40	2.21	154.32	3.09	4.87
80	1.51	2.43	176.37	3.33	5.36
90	1.61	2.65	198.41	3.55	5.84
Twin kids (milk yield = 2.06 to 3.22 g/d; 4% milk fat)					
40	2.06	1.97	88.18	4.54	4.34
50	2.33	2.30	110.23	5.14	5.07
60	2.57	2.61	132.28	5.67	5.75
70	2.80	2.91	154.32	6.17	6.42
80	3.01	3.18	176.37	6.64	7.01
90	3.22	3.46	198.41	7.10	7.63
Three or more kids (milk yield = 3.49 to 4.82 kg/d; 4% milk fat)					
50	3.49	2.29	110.23	7.69	5.05
60	3.86	2.59	132.28	8.51	5.71
70	4.20	2.88	154.32	9.26	6.35
80	4.52	3.94	176.37	9.96	8.69
90	4.82	4.27	198.41	10.63	9.41
Abbreviations used in table: DMD = Dry Matter Demand, kg = Kilogram, d = Day, lb = Pound					

Adapted from: "Table 15-4," from Nutrient Requirements of Small Ruminants: sheep, goats, cervids, and New World camelids, by Committee on Nutrient Requirements of Small Ruminants, Board on Agriculture and natural Resources, Division on Earth and Life Studies, The National Research Council, Washington, D.C.: National Academies Press. Copyright 2007 by National Academy of Sciences.

**Table 1 -5: Daily Dry Matter Demand Requirements in Kilograms and Pounds
Mature Goat Does (Dairy) - Mid Lactation Non-Parlor
Single Kid, Twin Kids, or Three or More Kids; Based on Milk Yield**

Current Body Weight (kg)	Milk Yield (kg)	DMD (kg)	Current Body Weight (lb)	Milk Yield (lb)	DMD (lb)
Single kid (milk yield = 0.63 to 1.15 kg/d; 4% milk fat)					
30	0.63	1.21	66.14	1.39	2.67
40	0.74	1.48	88.18	1.63	3.26
50	0.83	1.72	110.23	1.83	3.79
60	0.92	1.95	132.28	2.03	4.30
70	1.00	2.17	154.32	2.20	4.78
80	1.08	2.38	176.37	2.38	5.25
90	1.15	2.58	198.41	2.54	5.69
Twin kids (milk yield = 1.47 to 2.30 kg/d; 4% milk fat)					
40	1.47	1.96	88.18	3.24	4.32
50	1.66	2.26	110.23	3.66	4.98
60	1.84	2.55	132.28	4.06	5.62
70	2.00	2.82	154.32	4.41	6.22
80	2.15	3.08	176.37	4.74	6.79
90	2.30	3.33	198.41	5.07	7.34
Three or more kids (milk yield = 2.49 to 3.44 kg/d; 4% milk fat)					
50	2.49	2.81	110.23	5.49	6.19
60	2.76	3.15	132.28	6.08	6.94
70	3.00	3.48	154.32	6.61	7.67
80	3.23	3.79	176.37	7.12	8.36
90	3.44	4.08	198.41	7.58	8.99
Abbreviations used in table: DMD = Dry Matter Demand, kg = Kilogram, d = Day, lb = Pound					

Adapted from: "Table 15-4," from Nutrient Requirements of Small Ruminants: sheep, goats, cervids, and New World camelids, by Committee on Nutrient Requirements of Small Ruminants, Board on Agriculture and Natural Resources, Division on Earth and Life Studies, The National Research Council, Washington, D.C.: National Academies Press. Copyright 2007 by National Academy of Sciences.

**Table 1 - 6: Daily Dry Matter Demand Requirements in Kilograms and Pounds
Mature Goat Does (Dairy) - Late Lactation Non-Parlor
Single Kid, Twin Kids, or Three or More Kids; Based on Milk Yield**

Current Body Weight (kg)	Milk Yield (kg)	DMD (kg)	Current Body Weight (lb)	Milk Yield (lb)	DMD (lb)
Single kid (milk yield = 0.38 to 0.69; 4% milk fat)					
30	0.38	1.10	66.14	0.84	2.43
40	0.44	1.34	88.18	0.97	2.95
50	0.50	1.57	110.23	1.10	3.46
60	0.55	1.78	132.28	1.21	3.92
70	0.60	1.99	154.32	1.32	4.39
80	0.65	2.19	176.37	1.43	4.83
90	0.69	2.37	198.41	1.52	5.22
Twin kids (milk yield = 0.88 to 1.38; 4% milk fat)					
40	0.88	1.69	88.18	1.94	3.73
50	1.00	1.96	110.23	2.20	4.32
60	1.10	2.22	132.28	2.43	4.89
70	1.20	2.46	154.32	2.65	5.42
80	1.29	2.69	176.37	2.84	5.93
90	1.38	2.92	198.41	3.04	6.44
Three or more kids (milk yield = 1.50 to 2.07 kg/d; 4% milk fat)					
50	1.50	2.36	110.23	3.31	5.20
60	1.65	2.65	132.28	3.64	5.84
70	1.80	2.93	154.32	3.97	6.46
80	1.94	3.20	176.37	4.28	7.05
90	2.07	3.46	198.41	4.56	7.63

Abbreviations used in table: DMD = Dry Matter Demand, kg = Kilogram, d = Day, lb = Pound

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