



# 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)
<b>Maintenance only</b>			
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
<b>Breeding</b>			
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)
<b>Single kid</b>					
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
<b>Twin kids</b>					
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
<b>Three or more kids</b>					
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)
<b>Single kid</b>					
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
<b>Twin kids</b>					
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
<b>Three or more kids</b>					
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)
<b>Single kid (milk yield = 0.88 to 1.61 kg/d; 4% milk fat)</b>					
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
<b>Twin kids (milk yield = 2.06 to 3.22 g/d; 4% milk fat)</b>					
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
<b>Three or more kids (milk yield = 3.49 to 4.82 kg/d; 4% milk fat)</b>					
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)
<b>Single kid (milk yield = 0.63 to 1.15 kg/d; 4% milk fat)</b>					
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
<b>Twin kids (milk yield = 1.47 to 2.30 kg/d; 4% milk fat)</b>					
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
<b>Three or more kids (milk yield = 2.49 to 3.44 kg/d; 4% milk fat)</b>					
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					

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**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)
<b>Single kid (milk yield = 0.38 to 0.69; 4% milk fat)</b>					
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
<b>Twin kids (milk yield = 0.88 to 1.38; 4% milk fat)</b>					
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
<b>Three or more kids (milk yield = 1.50 to 2.07 kg/d; 4% milk fat)</b>					
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

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.