



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 DRY MATTER DEMAND REQUIREMENTS

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 | | | | | |

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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 | | | | | |

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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) |
|------------------------------------------------------------------------------------------|-----------------|----------|--------------------------|-----------------|----------|
| 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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