

Table 1. Suggested rations for horses of different weights, ages and physiological status utilising feeds of different energy values.

Type of horse: Growing	Mature weight (kg) (Est. actual weight)	Required Digestible energy (DE) (MJ)	Required Crude protein (g)	Maximum Consumption kg/day (at 3% of body weight)	Low Quality Grass Hay (kg/day) ME 6.0 MJ/kg	Medium Quality Cereal/ Grass Hay (kg/day) ME 7.0 MJ/kg	Lucerne/ Clover / Ryegrass/ Phalaris Hay Only (kg/day) ME 8.5 MJ/kg	50% Hay (8.5 ME) + 50% grain/pellets (13ME) (kg/day)	50% Hay (10 ME) + 50% grain/pellets (14.5ME) (kg/day)
Weanling (4 months)	400 (135)	56.5	675	4.1	10.3	8.8	7.3	3.7 + 2.4	3.1 + 2.1
	500 (170)	60.2	720	5.1	11.0	9.5	7.8	3.9 + 2.5	3.3 + 2.3
	600 (200)	69.0	825	6.0	12.7	10.8	8.9	4.5 + 2.9	3.8 + 2.6
Weanling (6 months, moderate growth)	400 (175)	54.0	643	5.3	9.9	8.5	7.0	3.5 + 2.3	3.0 + 2.0
	500 (220)	62.8	750	6.6	11.6	9.9	8.1	4.1 + 2.7	3.5 + 2.4
	600 (260)	71.1	850	7.8	13.1	11.0	9.2	4.6 + 3.0	3.9 + 2.7
Yearling (12 months, moderate growth)	400 (260)	65.3	700	7.8	12.0	10.2	8.5	4.2 + 2.8	3.6 + 2.5
	500 (320)	71.9	851	9.6	13.2	11.3	9.4	4.7 + 3.0	4.0 + 2.7
	600 (385)	95.0	1023	11.6	17.4	15.0	12.3	6.1 + 4.0	5.2 + 3.6
18 months old	400 (310)	66.5	716	9.3	12.2	10.5	8.6	4.3 + 2.8	3.7 + 2.5
	500 (390)	82.8	893	11.7	15.2	13.0	10.7	5.4 + 3.5	4.6 + 3.1
	600 (465)	100.00	1077	14.0	18.4	15.6	13.0	6.5 + 4.2	5.5 + 3.6
2 years old	400 (345)	64.0	650	10.4	11.8	10.0	8.3	4.1 + 2.7	3.5 + 2.4
	500 (430)	78.7	800	12.9	14.4	12.3	10.3	5.1 + 3.3	4.3 + 3.0
	600 (515)	98.3	998	15.5	18.0	15.4	12.8	6.4 + 4.2	5.4 + 3.7

Type of horse: Adult	Mature weight (kg)	Required Digestible energy (DE) (MJ)	Required Crude protein (g)	Maximum Consumption kg/day (at 3% of body weight)	Low quality Grass Hay (kg/day) ME 6.0 MJ/kg	Medium Quality Grass/ Cereal Hay (kg/day) ME 7.0 MJ/kg	Lucerne/ Clover / Ryegrass/ Phalaris Hay Only (kg/day) ME 8.5 MJ/kg	75% Hay (7.0 ME) + 25% grain/pellets (10ME) (kg/day)	75% Hay (9.0 ME) + 25% grain/pellets (13ME) (kg/day)
Maintenance	400	56.1	563	12.0	10.3	8.8	8.5	6.6 + 1.5	5.1 + 1.2
	500	68.6	656	15.0	12.5	10.8	8.8	8.1 + 1.9	6.3 + 1.4
	600	81.2	766	18.0	14.9	12.8	10.5	9.6 + 2.2	7.4 + 1.8
Pregnant (9 months)	400	62.3	654	12.0	11.4	9.8	8.0	7.4 + 1.8	5.7 + 1.3
	500	76.1	801	15.0	14.0	12.0	9.9	8.9 + 2.1	7.0 + 1.7
	600	90.0	947	18.0	15.2	14.2	11.7	10.1 + 2.5	8.3 + 1.9
Pregnant (11 months)	400	67.4	708	12.0	12.3	10.6	8.7	7.9 + 1.9	6.2 + 1.4
	500	82.4	866	15.0	15.1	13.0	10.7	9.7 + 2.3	7.6 + 1.8
	600	97.5	1024	18.0	17.9	15.3	12.7	11.4 + 2.6	8.9 + 2.1
Lactating (foaling to 3 months)	400	95.8	1141	12.0	19.4	15.1	12.4	11.3 + 2.6	8.8 + 2.0
	500	118.4	1427	15.0	23.9	18.6	15.3	14.0 + 3.3	10.9 + 2.5
	600	141.0	1711	18.0	28.5	22.1	18.3	16.5 + 3.9	12.9 + 3.0
Lactating (3 months to weaning)	400	82.4	839	12.0	15.1	13.0	10.7	9.7 + 2.3	7.6 + 1.8
	500	101.7	1048	15.0	18.7	16.0	13.2	12.0 + 2.7	9.3 + 2.2
	600	120.9	1258	18.0	22.2	19.0	15.6	14.3 + 3.3	11.1 + 2.5