

The following intakes are for a 500 kg/1100 pound horse at maintenance or intermittent light work, consuming 10 kg/22 lbs of hay.

Nutrient	Total Intake	Concentration Required in Hay
Calories (average to elevated range under maintenance)	15.2 to 18.2 Mcal	1.52 to 1.82 Mcal/kg 0.69 to 0.87 Mcal/lb
Protein (Note: range is for average to light work)	630 to 699 grams	6.3 to 6.9% crude protein
Lysine	20 to 30 grams	0.2 to 0.3% lysine
Calcium (150% NRC)	30 grams	0.3%
Phosphorus (150% NRC)	21 grams	0.21%
Magnesium (2:1 Ca:Mg, which is over 150% NRC)	15 grams	0.15%
Potassium (NRC)	25 grams	0.25%
Sodium (NRC)	10 grams	0.1%
Chloride (NRC)	40 grams	0.4%
Sulfur (most sulfur in hay is as sulfur containing aminoacids)	15 to 20 grams	0.15% to 0.2%
Iron (NRC)	400 mg to 450 mg	40 to 45 ppm
Copper (150% NRC)	150 mg	15 ppm
Zinc (NRC)	450 mg	45 ppm
Manganese (NRC)	450 mg	45 ppm
Selenium (double NRC)	2 mg	0.2 ppm

Also iodine, 3.5 mg, not included on hay analyses, not likely to be adequate unless hays grown in coastal areas.

Notes:

- ◆ I double NRC for selenium since few horses maintain serum selenium even in the mid range on NRC intakes.
- ◆ Chloride will not be on the hay analysis but is included her to show that even early cuttings are likely to provide most, if not all, the chloride requirement
- ◆ Sodium, potassium and chloride should be at base NRC for horses not working much. In working horses, calculate needs by hours worked, not by the NRC tables.