

**Table 1. Daily production of the major nutrients in the manure from various species and weights of animals (freshly excreted manure).**

Animal	Size (lb)	Total manure (ft <sup>3</sup> /day)	Water (%)	Nutrient content (lb/day)		
				(N)	(P <sub>2</sub> O <sub>5</sub> )*	(K <sub>2</sub> O)*
<b>Dairy cattle</b>						
Heifer	150	0.2	88	0.05	0.01	0.04
	250	0.32	88	0.08	0.02	0.07
	750	1	88	0.23	0.07	0.22
Lactating cow	1,000	1.7	88	0.58	0.3	0.31
	1,400	2.4	88	0.82	0.42	0.48
Dry cow	1,000	1.3	88	0.36	0.11	0.28
	1,400	1.82	88	0.5	0.2	0.4
Veal	250	0.14	96	0.04	0.03	0.06
<b>Beef cattle</b>						
Calf	450	0.42	92	0.14	0.1	0.11
High-forage	750	1	92	0.41	0.14	0.25
	1,100	1.4	92	0.61	0.21	0.36
High-energy	750	0.87	92	0.38	0.14	0.22
	1,100	1.26	92	0.54	0.21	0.32
Cow	1,000	1	88	0.31	0.19	0.26
<b>Swine</b>						
Nursery	25	0.04	89	0.02	0.01	0.01
Grow-finish	150	0.15	89	0.08	0.05	0.04
Gestating	275	0.12	91	0.05	0.04	0.04
Lactating	375	0.36	90	0.18	0.13	0.14
Boar	350	0.12	91	0.05	0.04	0.04
<b>Sheep</b>	100	0.06	75	0.04	0.02	0.04
<b>Poultry</b>						
Layer	4	0.004	75	0.0035	0.0027	0.0016
Broiler	2	0.003	74	0.0023	0.0014	0.0011
Turkey	20	0.014	75	0.0126	0.0108	0.0054
Duck	6	0.005	73	0.0046	0.0038	0.0028
<b>Horse</b>	1,000	0.8	78	0.28	0.11	0.23

\* Phosphate (P<sub>2</sub>O<sub>5</sub>) = 2.29 x P, Potash (K<sub>2</sub>O) = 1.21 x K

**Source:** MWPS-18, *Manure Management Systems Series*, Section 1, Manure Characteristics.

**Notes:** Values do not include bedding. The actual nutrient content can vary + or - 30% from table values. Increase nutrients by 4% for each 1% feed wasted above 5%.

Use only for planning purposes. These values should not be used in place of a regular manure analysis.