

Table 3.1. Chemical composition of manures and urines of different farmed animals

	Dairy cattle	Beef cattle	Ox	Pig	Chicken layers	Chicken broiler	Horse	Milk cow dung	Cow dung	Pig manure	Cow urine	Pig urine
Dry matter as % of fresh manure	12.7	11.6	25	9.2	25.2	25.2	20.9	15	10–15	15	5–7	7
Dry matter (%)	100	100	100	100	100	100	100	15	10–15	15	5–7	7
Organic material (%)	82.5	85	85	80	70	70	80	11.4	14.6	15	2.3	2.5
Total nitrogen (%)	3.9	4.9	4.5	7.5	5.4	6.8	2.9	0.36	0.30–0.45	0.50–0.60	0.60–1.20	0.30–0.50
Total phosphorus (%)	0.7	1.6	0.7	2.5	2.1	1.5	0.5	0.32	0.15–0.25	0.45–0.60	trace	0.07–0.15
Total potassium (%)	2.6	3.6	3.2	4.9	2.3	2.1	1.8	0.2	0.05–0.15	0.35–0.50	1.30–1.40	0.20–0.70
Biological oxygen demand ⁵ days	16.5	23	9	33	27	–	–	–	–	–	–	–
Chemical oxygen demand	88	95	11.8	95	90	–	–	–	–	–	–	–
Source ¹	1	1	1	1	1	1	1	2	2	2	2	2

¹Source: (1) Miner and Smith (1975); (2) NACA (1989).