

Table 9.3: Average manure nutrient content from stored manures on farms. Source: NSDAM, 1996. *Note these are average values. Real analyses may vary +/-90%.

Animal	Manure type	DM%	Total N	NH ₄ ⁺ N	P ¹	K ¹	Approx. C:N	N:P
				kg per tonne ²				
Swine								
	liquid	5	2.5	1.7	0.8	0.9	8	3.0
	semi-solid	15	5.3	2.4	2.2	1.8	11	2.4
	solid	24	7.6	3.0	2.1	4.5	14	3.7
	average	15	5.1	2.4	1.7	2.4	11	3.0
Beef								
	semi-solid	13	2.7	0.8	1.0	4.4	19	5.3
	solid	21	4.3	1.0	0.7	3.8	22	4.5
	average	17	3.5	0.9	0.7	2.8	21	4.8
Dairy								
	liquid	9	3.1	1.5	1.3	4.8	11	4.3
	semi-solid	16	4.4	1.9	1.0	3.9	14	4.0
	solid	22	5.0	1.5	2.4	2.6	20	3.8
	average	15	4	1.6	1.6	3.8	15	4.0
Poultry								
	semi-solid	17	7.7	4.2	8.4	9.6	7	3.2
	solid	32	15.2	6.6	13.6	7.0	7	2.6
	litter pack	71	33.9	8.4	25.1	16.0	9	3.1
	average	51	25	6.4	19	12	8	2.9
Sheep³								
	solid	50	7	2.9	2	10	11	3.6

¹ Expressed as elemental P and K. Multiply P by 2.29 to get P₂O₅; Multiply K by 1.2 to get K₂O

² 'as is' manure analysis with bedding, or added water in most cases

³ This estimate was obtained from Alberta Agriculture (1995).