



Average Nutrient Content of Manure from Various Unusual Livestock Types Updated August 8, 2018

Type of Manure	Total Nutrient Content (as-is basis)			
	Total N (%)	NH ₄ -N (%)	P ₂ O ₅ (%)	K ₂ O (%)
Bison	0.40	0.03	0.16	0.08
Elk	0.73	0.06	0.46	0.29
Red Deer	0.62	0.05	0.39	0.24
White-tailed Deer	1.27	0.08	0.99	0.42
Fallow Deer	0.87	0.07	0.80	0.42
Llama	0.75	0.06	0.80	0.30
Alpaca	0.66	0.09	0.92	0.28
Wild Boar	0.72	0.06	0.76	0.42
Chinchilla	1.87	0.36	1.42	1.20
Fox	1.8	0.49	3.46	0.46
Mink	3.28	1.42	4.17	0.95
Pheasants	2.46	0.18	1.86	1.00
Partridge	4.01	0.47	2.91	1.37
Quail	4.96	0.34	2.47	1.29
Squab (Pigeon)	3.25	0.48	2.15	1.37
Duck	0.97	0.28	0.87	0.54
Ostrich	0.68	0.06	1.24	0.40
Emu	1.01	0.25	0.66	0.39
Rhea	0.84	0.18	1.24	0.42
Turkey	2.53	0.83	3.05	1.71

Source: "Available Nutrients and Value for Manure from Various Livestock Types." C. Brown. August 2013. Factsheet Order No. 13-043. Agdex 538. Ontario Ministry of Agriculture and Food. <http://fieldcropnews.com/wp-content/uploads/2015/03/Nutrient-Value-of-Manure.pdf> (OMAF compiled sample data provided by multiple testing labs for this report)