

Biogas Production

Sorted by Biogas/kg animal

Animal

Type	Duck	Broiler	Layer	Pig	Turkey	Horse	Sheep	Beef	Dairy	Veal	kg
Weight per animal	3	2	2	70	8	400	60	500	500	40	

Manure

Total	0.33	0.19	0.13	5.88	0.38	20.40	2.40	29.00	43.00	2.48	kg (per day)
TS	0.09	0.05	0.03	0.77	0.10	6.00	0.66	4.25	6.00	0.21	kg (per day)
VS	0.06	0.04	0.02	0.60	0.07	4.00	0.55	3.60	5.00	0.09	kg (per day)
Total Manure /kg animal	0.110	0.085	0.064	0.084	0.047	0.051	0.040	0.058	0.086	0.062	kg/kg animal (per day)

Output

T.Biogas	0.0267	0.0167	0.0110	0.3338	0.0330	1.62	0.1975	1.56	1.24	0.0230	m ³ per day
T.Power	0.0072	0.0045	0.0030	0.0904	0.0089	0.44	0.0535	0.42	0.34	0.0062	kW
Biogas/kg manure	81.04	89.43	86.09	56.77	87.86	79.44	82.28	53.91	28.91	9.29	l/kg manure (per day)
Power/kg manure	21.95	24.22	23.32	15.38	23.80	21.51	22.28	14.60	7.83	2.52	W/kg manure (per day)
Biogas/kg animal	8.91	7.60	5.51	4.77	4.13	4.05	3.29	3.13	2.49	0.58	l/kg animal (per day)
Power/kg animal	2.41	2.06	1.49	1.29	1.12	1.10	0.89	0.85	0.67	0.16	W/kg animal (per day)

Biogas Equivalentents

(Numbers of animals "down" equal to one animal "across". Eg. 12.5 ducks = 1 pig)

Duck	1.00	0.63	0.41	12.48	1.24	60.59	7.38	58.46	46.49	0.86	Number of Animals
Broiler	1.60	1.00	0.66	19.96	1.98	96.90	11.81	93.49	74.35	1.38	Number of Animals
Layer	2.43	1.52	1.00	30.30	3.00	147.06	17.92	141.89	112.83	2.09	Number of Animals
Pig	0.08	0.05	0.03	1.00	0.10	4.85	0.59	4.68	3.72	0.07	Number of Animals
Turkey	0.81	0.51	0.33	10.10	1.00	49.05	5.98	47.33	37.63	0.70	Number of Animals
Horse	0.02	0.01	0.01	0.21	0.02	1.00	0.12	0.96	0.77	0.01	Number of Animals
Sheep	0.14	0.08	0.06	1.69	0.17	8.21	1.00	7.92	6.30	0.12	Number of Animals
Beef	0.02	0.01	0.01	0.21	0.02	1.04	0.13	1.00	0.80	0.01	Number of Animals
Dairy	0.02	0.01	0.01	0.27	0.03	1.30	0.16	1.26	1.00	0.02	Number of Animals
Veal	1.16	0.73	0.48	14.49	1.43	70.34	8.57	67.87	53.97	1.00	Number of Animals