

**Table A1** Biomass of earthworms ( $\text{g m}^{-2}$ ) determined by surveys of plots on the Broadbalk field experiment at Rothamsted Spring 2014 where NPK fertilizer, wheat straw, farmyard manure (FYM) or a combination have been applied annually. Each value is the average of four replicate subplots with two pseudoreplicate surveys conducted per subplot. Standard errors of the mean are provided after each value

Treatment	NPK	NPK+straw	FYM	FYM+straw
Juvenile <i>Aporrectodea longa</i>	0 $\pm$ 0.0	0 $\pm$ 0.0	4.9 $\pm$ 4.9	9.4 $\pm$ 5.4
Adult <i>Aporrectodea longa</i>	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0
Juvenile <i>Lumbricus terrestris</i>	0 $\pm$ 0.0	0 $\pm$ 0.0	4 $\pm$ 4.0	10.7 $\pm$ 3.8
Adult <i>Lumbricus terrestris</i>	0 $\pm$ 0.0	0 $\pm$ 0.0	8.7 $\pm$ 8.7	35.6 $\pm$ 29.9
Anecic Juvenile	0 $\pm$ 0.0	0 $\pm$ 0.0	5.2 $\pm$ 3.6	2.3 $\pm$ 2.3
Anecic bodypart	0 $\pm$ 0.0	0 $\pm$ 0.0	8.6 $\pm$ 5.0	5.4 $\pm$ 5.4
Juvenile <i>Aporrectodea caliginosa</i>	0 $\pm$ 0.0	0.8 $\pm$ 0.6	3.3 $\pm$ 1.0	5.2 $\pm$ 1.9
Adult <i>Aporrectodea caliginosa</i>	0 $\pm$ 0.0	0 $\pm$ 0.0	11.7 $\pm$ 5.1	10.7 $\pm$ 5.1
Juvenile <i>Allolobophora chlorotica</i>	3.8 $\pm$ 1.8	2.7 $\pm$ 0.4	17.5 $\pm$ 4.4	10 $\pm$ 2.6
Adult <i>Allolobophora chlorotica</i>	3.2 $\pm$ 2.1	1.1 $\pm$ 1.1	33.7 $\pm$ 5.9	23.1 $\pm$ 3.0
Juvenile <i>Aporrectodea rosea</i>	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0
Adult <i>Aporrectodea rosea</i>	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0
Juvenile <i>Lumbricus rubellus</i>	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0
Adult <i>Lumbricus rubellus</i>	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0
Unidentified juvenile	0.4 $\pm$ 0.3	0 $\pm$ 0.0	1.7 $\pm$ 0.7	1.2 $\pm$ 0.6
Unidentified bodypart	0 $\pm$ 0.0	0.1 $\pm$ 0.1	3.7 $\pm$ 2.1	1 $\pm$ 0.6
Total biomass	7.4 $\pm$ 0.9	4.7 $\pm$ 1.4	103.2 $\pm$ 24.6	114.6 $\pm$ 17.8
Total anecic biomass	0 $\pm$ 0.0	0 $\pm$ 0.0	31.5 $\pm$ 16.9	63.4 $\pm$ 26.7
Total endogeic biomass	7 $\pm$ 0.7	4.6 $\pm$ 1.5	66.3 $\pm$ 9.9	49 $\pm$ 10.2
Total epigeic biomass	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0	0 $\pm$ 0.0
Total unidentified biomass	0.4 $\pm$ 0.3	0.1 $\pm$ 0.1	5.4 $\pm$ 2.3	2.2 $\pm$ 0.4
Total mature biomass	3.2 $\pm$ 2.1	1.2 $\pm$ 1.0	66.4 $\pm$ 20.7	75.9 $\pm$ 24.4
Total juvenile biomass	4.2 $\pm$ 1.6	3.5 $\pm$ 0.5	36.8 $\pm$ 10.2	38.7 $\pm$ 9.1
% juveniles by biomass	64.2 $\pm$ 21.2	73 $\pm$ 15.7	40.1 $\pm$ 10.1	43.6 $\pm$ 8.0

From Sizmur et al, 2017

<https://doi.org/10.1016/j.apsoil.2016.12.006>