

Table A2 Earthworm abundance (number 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 ±0.0	0 ±0.0	3.1 ±3.1	6.3 ±3.6
Adult <i>Aporrectodea longa</i>	0 ±0.0	0 ±0.0	0 ±0.0	0 ±0.0
Juvenile <i>Lumbricus terrestris</i>	0 ±0.0	0 ±0.0	3.1 ±3.1	12.5 ±5.1
Adult <i>Lumbricus terrestris</i>	0 ±0.0	0 ±0.0	3.1 ±3.1	9.4 ±6.0
Anecic Juvenile	0 ±0.0	0 ±0.0	6.3 ±3.6	6.3 ±6.3
Anecic bodypart	0 ±0.0	0 ±0.0	6.3 ±3.6	0 ±0.0
Juvenile <i>Aporrectodea caliginosa</i>	0 ±0.0	6.3 ±3.6	18.8 ±3.6	31.3 ±12.0
Adult <i>Aporrectodea caliginosa</i>	0 ±0.0	0 ±0.0	46.9 ±20.0	28.1 ±7.9
Juvenile <i>Allolobophora chlorotica</i>	50 ±28.4	46.9 ±7.9	212.5 ±72.7	103.1 ±38.3
Adult <i>Allolobophora chlorotica</i>	18.8 ±12.0	6.3 ±6.3	131.3 ±24.2	109.4 ±16.4
Juvenile <i>Aporrectodea rosea</i>	0 ±0.0	0 ±0.0	0 ±0.0	0 ±0.0
Adult <i>Aporrectodea rosea</i>	0 ±0.0	0 ±0.0	0 ±0.0	0 ±0.0
Juvenile <i>Lumbricus rubellus</i>	0 ±0.0	0 ±0.0	0 ±0.0	0 ±0.0
Adult <i>Lumbricus rubellus</i>	0 ±0.0	0 ±0.0	0 ±0.0	0 ±0.0
Unidentified juvenile	12.5 ±8.8	0 ±0.0	40.6 ±13.9	21.9 ±7.9
Unidentified bodypart	0 ±0.0	0 ±0.0	0 ±0.0	0 ±0.0
Total abundance	81.3 ±16.5	59.4 ±12.9	471.9 ±80.1	328.1 ±50.1
Total anecic abundance	0 ±0.0	0 ±0.0	21.9 ±9.4	34.4 ±11.8
Total endogeic abundance	68.8 ±19.4	59.4 ±12.9	409.4 ±81.9	271.9 ±54.1
Total epigeic abundance	0 ±0.0	0 ±0.0	0 ±0.0	0 ±0.0
Total unidentified abundance	12.5 ±8.8	0 ±0.0	40.6 ±13.9	21.9 ±7.9
Total mature abundance	18.8 ±12.0	6.3 ±6.3	187.5 ±43.6	146.9 ±17.2
Total juvenile abundance	62.5 ±22.2	53.1 ±9.4	284.4 ±68.5	181.3 ±44.9
% juveniles by abundance	74 ±15.1	85 ±8.9	58.9 ±9.4	52 ±7.5

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