**Appendix S3**

Proportion of litter-derived C and N (%) in the tissue of *Amynthas hilgendorfi*, *Eisenoides lonnbergi*, *Lumbricus rubellus* and *Octolasion lacteum* under different species treatments.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Proportion of litter-derived C (%) |  | Proportion of litter-derived N (%) |
| Species | Treatment\* | Mean | (SE) |  | Mean | (SE) |
| *Amynthas hilgendorfi* | Ah only | 8.8 | (0.4) |  | 1.2 | (0.1) |
|  | Ah + El | 11.6 | (0.5) |  | 2.0 | (0.1) |
|  | Ah + Lr | 10.0 | (0.3) |  | 1.5 | (0.1) |
|  | Ah + Ol | 10.9 | (0.4) |  | 1.8 | (0.1) |
| *Eisenoides lonnbergi* | El + Ah | 2.0 | (0.4) |  | 0.4 | (0.1) |
|  | El only | 2.7 | (0.4) |  | 0.5 | (0.1) |
|  | El + Lr | 2.1 | (0.3) |  | 0.4 | (0.0) |
|  | El + Ol | 1.6 | (0.2) |  | 0.3 | (0.0) |
| *Lumbricus rubellus* | Lr + Ah | 11.7 | (1.1) |  | 3.6 | (0.4) |
|  | Lr + El | 22.7 | (0.6) |  | 7.6 | (0.4) |
|  | Lr only | 15.9 | (0.6) |  | 4.7 | (0.2) |
|  | Lr + El | 17.7 | (0.8) |  | 5.5 | (0.3) |
| *Octolasion lacteum* | Ol + Ah | 12.4 | (0.5) |  | 1.8 | (0.1) |
|  | Ol + El | 25.1 | (1.1) |  | 5.3 | (0.3) |
|  | Ol + Lr | 17.9 | (0.8) |  | 3.3 | (0.2) |
|  | Ol only | 18.0 | (1.2) |  | 3.6 | (0.3) |

\* Ah: *Amynthas hilgendorfi*; Lr: *Lumbricus rubellus*; Ol: *Octolasion lacteum*; El: *Eisenoides lonnbergi*.