**Supplementary data for the manuscript entitled “The effect of biochar on soil carbon loss – evidence from incubation experiment”**

**Table S1.** Carbon balance in incubated treatments.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Treatment** | **C from soil**[g/100 g] | **C from biochar**[g/ 100 g soil] | **C from organic amendment**[g/100 g soil] | **Total C content**[g/ 100g soil] | **Total measured****C-CO2 loss**[g/ 100g soil] | **Measured C loss in respiration****[%]** |
| SASA BC1SA BC2SA BC3SA BC4SA BC5SA BC6SiLSiL BC1SiL BC2SiL BC3SiL BC4SiL BC5SiL BC6 | 0.7210.7210.7210.7210.7210.7210.7210.9860.9860.9860.9860.9860.9860.986 | n/a0.2680.2100.3660.3500.3530.512n/a0.2680.2100.3660.3500.3530.512 | n/an/an/an/an/an/an/an/an/an/an/an/an/an/a | 0.7210.9890.9311.0871.0711.0741.2330.9861.2541.1961.3521.3361.3391.498 | 0.00180.01000.00390.00570.00280.00230.00370.00210.00650.00310.00640.00350.00280.0036 | 0.251.010.420.520.260.220.300.210.520.260.470.260.210.24 |
| SA + COSA + MASA + LESA BC1 + COSA BC1 + MASA BC1 + LESA BC2 + COSA BC2 + MASA BC2 + LESA BC3 + COSA BC3 + MASA BC3 + LESA BC4 + COSA BC4 + MASA BC4 + LESA BC5 + COSA BC5 + MASA BC5 + LESA BC6 + COSA BC6 + MASA BC6 + LE | 0.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.7210.721 | n/an/an/a0.2680.2680.2680.2100.2100.2100.3660.3660.3660.3500.3500.3500.3530.3530.3530.5120.5120.512 | 0.1760.2800.1630.1760.2800.1630.1760.2800.1630.1760.2800.1630.1760.2800.1630.1760.2800.1630.1760.2800.163 | 0.901.000.881.171.271.151.111.211.091.261.371.251.251.351.231.251.351.241.411.511.40 | 0.00270.00510.00630.00850.01080.01270.00340.00590.00770.00680.01080.00930.00290.00590.00650.00310.00620.00760.00310.00980.0087 | 0.300.510.710.730.851.100.310.490.710.540.790.750.230.440.530.250.460.610.220.650.62 |
| SiL + COSiL + MASiL + LESiL BC1 + COSiL BC1 + MASiL BC1 + LESiL BC2 + COSiL BC2 + MASiL BC2 + LESiL BC3 + COSiL BC3 + MASiL BC3 + LESiL BC4 + COSiL BC4 + MASiL BC4 + LESiL BC5 + COSiL BC5 + MASiL BC5 + LESiL BC6 + COSiL BC6 + MASiL BC6 + LE | 0.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.9860.986 | n/an/an/a0.2680.2680.2680.2100.2100.2100.3660.3660.3660.3500.3500.3500.3530.3530.3530.5120.5120.512 | 0.1760.2800.1630.1760.2800.1630.1760.2800.1630.1760.2800.1630.1760.2800.1630.1760.2800.1630.1760.2800.163 | 1.1621.2661.1491.4301.5341.4171.3721.4761.3581.5281.6321.5141.5121.6161.4981.5151.6191.5011.6751.7781.661 | 0.00330.00410.00390.00660.00650.00740.00370.00680.00440.00480.00780.00590.00280.00530.00550.00290.00490.00580.00370.00570.0051 | 0.280.330.340.460.420.520.270.460.330.310.480.390.190.330.370.190.300.390.220.320.30 |

n/a = not applicable.