

Table S2. Values of the physicochemical test of samples soil (D0 and D2) during 180 days.

T (°C)	D0	D2
0d	13 ±1 ^a	13 ±1 ^a
15d	13 ±0.5 ^a	14 ±1 ^a
30d	13 ±1.732 ^a	14 ±1 ^a
45d	14 ±1 ^a	16 ±1 ^a
60d	19 ±1 ^a	22 ±1 ^a
75d	18 ±1 ^b	22 ±1.732 ^a
90d	25 ±1.732 ^a	26 ±0.5 ^a
105d	32 ±1.732 ^a	34 ±1 ^a
120d	35 ±1 ^a	38 ±1 ^a
165d	25 ±1 ^a	29 ±3 ^a
180d	19 ±2.646 ^a	22 ±2 ^a
ω%	D0	D2
0d	60.1 ±0.1 ^a	60.10.1 ^a
15d	25.243 ±1.168 ^c	32.05 ±0.902 ^a
30d	20.717 ±0.826 ^b	22.333 ±1.289 ^b
45d	20.767 ±1.047 ^b	22.433 ±0.503 ^b
60d	18.517 ±0.5 ^b	23.667 ±2.122 ^a
75d	13.883 ±0.936 ^c	20.533 ±1.286 ^a
90d	4.2 ±1.045 ^c	10.05 ±0.902 ^b
105d	12.117 ±0.315 ^a	11.767 ±1.079 ^a
120d	11.567 ±0.666 ^a	9.567 ±0.5 ^b
165d	23.717 ±0.375 ^a	26.417 ±0.503 ^a
180d	20.283 ±1.005 ^b	25.717 ±1.270 ^a
pH	D0	D2
0d	8.73 ±0.050 ^a	8.34 ±0.424 ^a
15d	7.24 ±0.086 ^b	7.51 ±0.071 ^a
30d	7.39 ±0.031 ^b	7.6 ±0.020 ^a
45d	7.24 ±0.081 ^b	7.54 ±0.064 ^a
60d	8.76 ±0.066 ^a	8.47 ±0.017 ^c
75d	8.67 ±0.025 ^a	8.16 ±0.072 ^b
90d	7.62 ±0.115 ^a	7.7 ±0.035 ^a
105d	7.76 ±0.092 ^a	7.52 ±0.081 ^a
120d	7.8 ±0.157 ^a	7.63 ±0.085 ^a
165d	7.62 ±0.101 ^{ab}	7.52 ±0.025 ^b
180d	7.25 ±0.234 ^a	7.06 ±0.093 ^a
C %	D0	D2
0d	0.872 ±1.360E-16 ^c	1.086 ±0 ^a
15d	0.948 ±1.948E-01 ^a	0.797 ±0.058 ^a
30d	0.948 ±2.530E-01 ^a	1.692 ±0.269 ^a
45d	1.157 ±1.338E-01 ^b	1.802 ±0.095 ^a
60d	0.775 ±3.140E-01 ^a	0.678 ±0.102 ^a
75d	0.339 ±2.356E-01 ^a	0.242 ±0.060 ^a
90d	0.291 ±5.243E-02 ^a	0.339 ±0.031 ^a
105d	0.291 ±5.526E-02 ^{ab}	0.242 ±0.015 ^b
120d	0.291 ±2.664E-02 ^a	0.291 ±0.026 ^a
165d	0.339 ±2.201E-02 ^b	0.581 ±0.012 ^a
180d	0.533 ±1.080E-01 ^a	0.727 ±0.166 ^a
N %	D0	D2
0d	0.0033 ±0 ^c	0.0042 ±0 ^a
15d	0.0049 ±0 ^b	0.018 ±0.0028 ^a
30d	0.0034 ±0.0025 ^b	0.0408 ±0.0102 ^a
45d	0.0049 ±0.0000 ^c	0.0278 ±0.0057 ^a
60d	0.018 ±0.0028 ^b	0.0327 ±0.0028 ^a
75d	0.0163 ±0.0028 ^b	0.0327 ±0.0028 ^a
90d	0.0131 ±0.0028 ^a	0.0147 ±0 ^a
105d	0.0131 ±0.0028 ^a	0.0147 ±0 ^a
120d	0.0131 ±0.0028 ^a	0.0147 ±0 ^a
165d	0.0065 ±0.0028 ^b	0.0147 ±0 ^a
180d	0.0082 ±0.0028 ^b	0.0147 ±0 ^a
C/N	D0	D2
0d	266.967 ±0.000 ^a	260.969 ±0.000 ^c
15d	193.403 ±39.749 ^a	44.333 ±8.819 ^b
30d	276.29 ±9.819 ^a	41.433 ±6.945 ^c
45d	236.118 ±27.299 ^a	64.91 ±4.948 ^b
60d	43.146 ±18.754 ^a	20.764 ±3.373 ^a
75d	20.764 ±14.526 ^a	7.416 ±1.280 ^a
90d	22.247 ±8.464 ^a	23.071 ±1.623 ^a
105d	22.247 ±2.246 ^a	16.479 ±1.046 ^b
120d	22.247 ±3.310 ^a	19.775 ±1.783 ^a
165d	51.91 ±10.697 ^a	39.551 ±0.791 ^a
180d	65.259 ±1.998 ^a	49.438 ±1.319 ^a

The significant differences in each parameter among different treatments were determined by one-way ANOVA. Different letters indicate significant difference at P <0.05.