Supplementary Material

Table S1: Maize yields in 2014. Treatments are control (K) and three BC-compost treatments (T1, T2 and T3). For application rates of BC-compost and mineral fertilizer see Table 1.

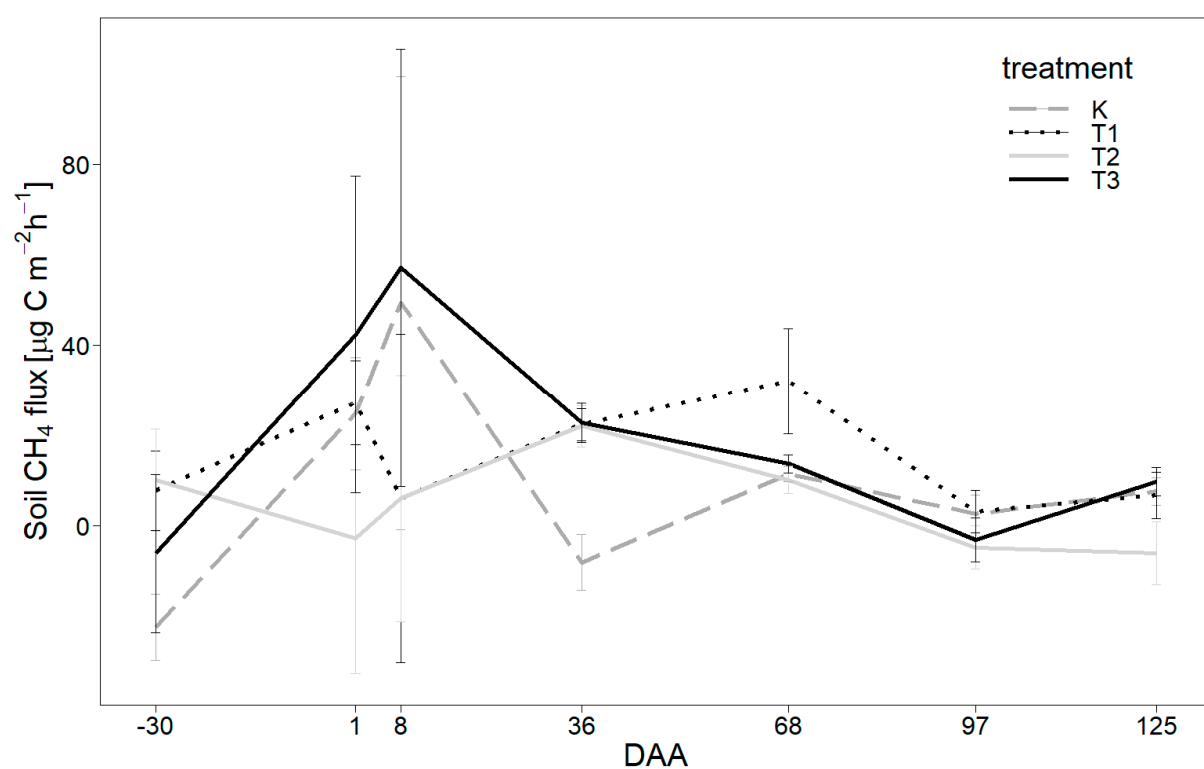| Treatments	Maize yields [t ha^{-1}]
K	3.62 ± 0.44
T1	4.62 ± 0.72
T2	3.60 ± 1.54
T3	4.27 ± 0.72

Figure S1: Mean soil CH$_4$ fluxes during the field experiment in 2014. Error bars represent standard error of mean; n = 3. K – control without BC-compost; T1 – 1 % BC-compost; T2 – 0.5 % BC-compost + 175 kg N ha^{-1}; T3 – no fresh BC-compost during this field trial.
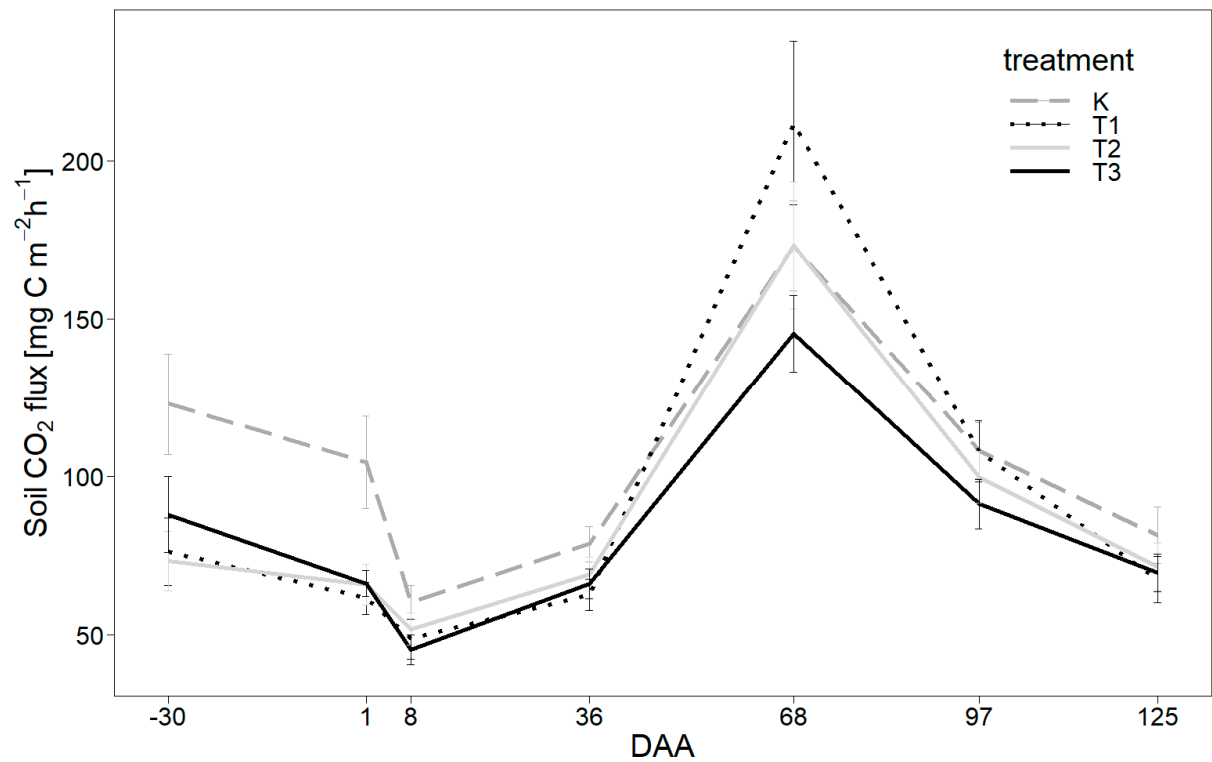
Figure S2: Mean soil CO_2 fluxes during the field experiment in 2014. Error bars represent standard error of mean; n = 3. K – control without BC-compost; T1 – 1 % BC-compost; T2 – 0.5 % BC-compost + 175 kg N ha^{-1}; T3 – no fresh BC-compost during this field trial.
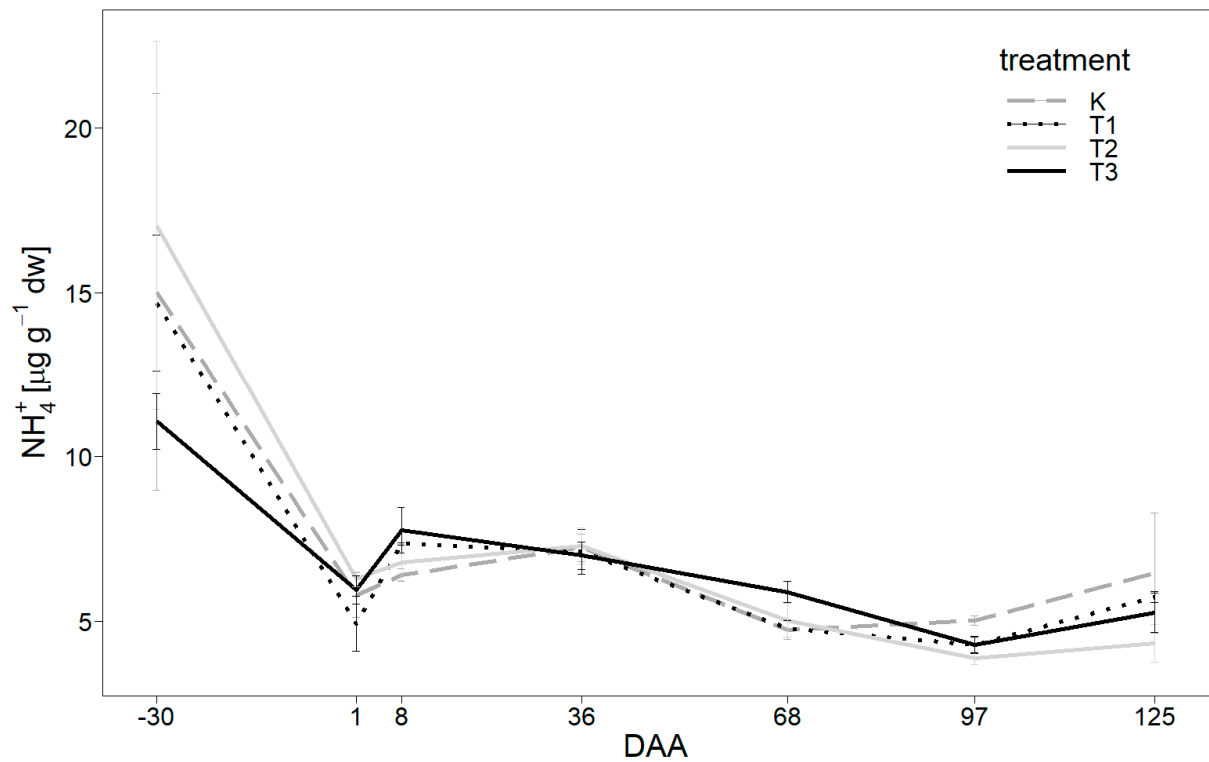
Figure S3: Mean ammonium (NH_4^+) concentrations during the field experiment in 2014. Error bars represent standard error of mean; n = 3. K – control without BC-compost; T1 – 1 % BC-compost; T2 – 0.5 % BC-compost + 175 kg N ha^{-1}; T3 – no fresh BC-compost during this field trial.
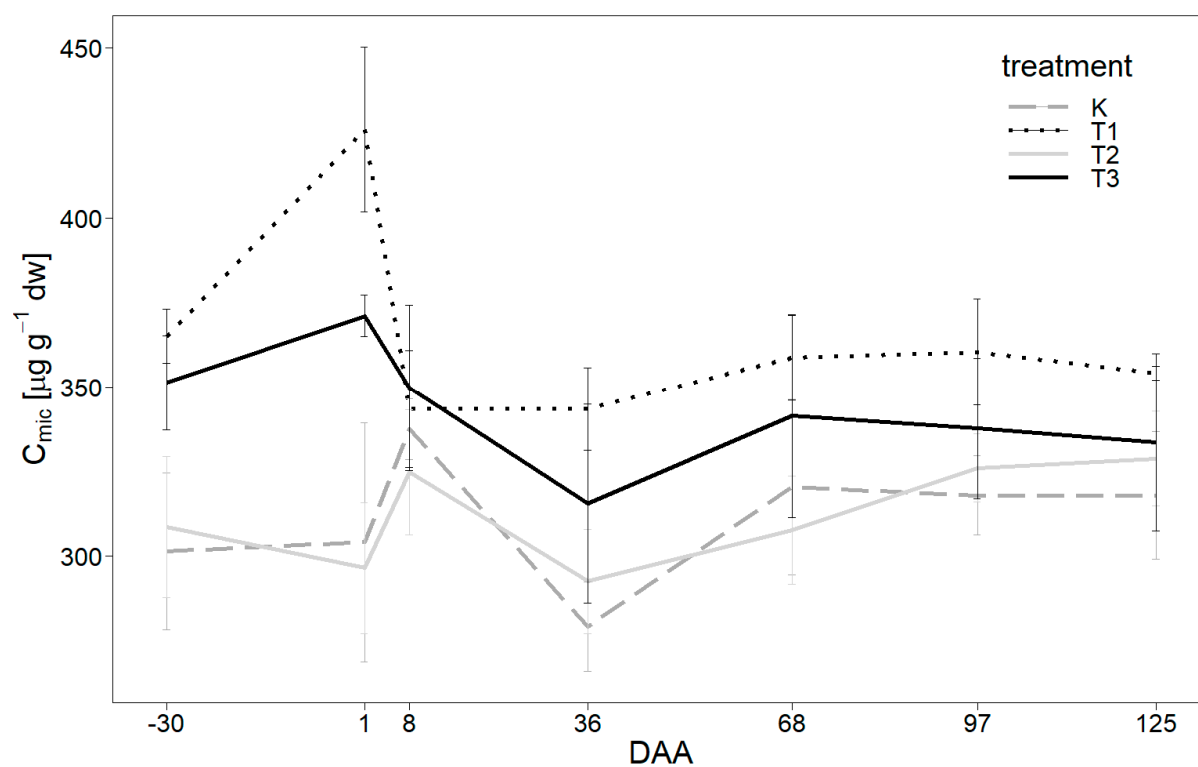
Figure S4: Mean C concentrations in the microbial biomass during the field experiment in 2014. Error bars represent standard error of mean; n = 3. K – control without BC-compost; T1 – 1 % BC-compost; T2 – 0.5 % BC-compost + 175 kg N ha^{-1}; T3 – no fresh BC-compost during this field trial.