

Supplementary Material

Paper: Exploring the combined effects of different Nitrogen sources and chabazite zeolite-tuff on Nitrogen dynamics in an acidic sandy-loam soil

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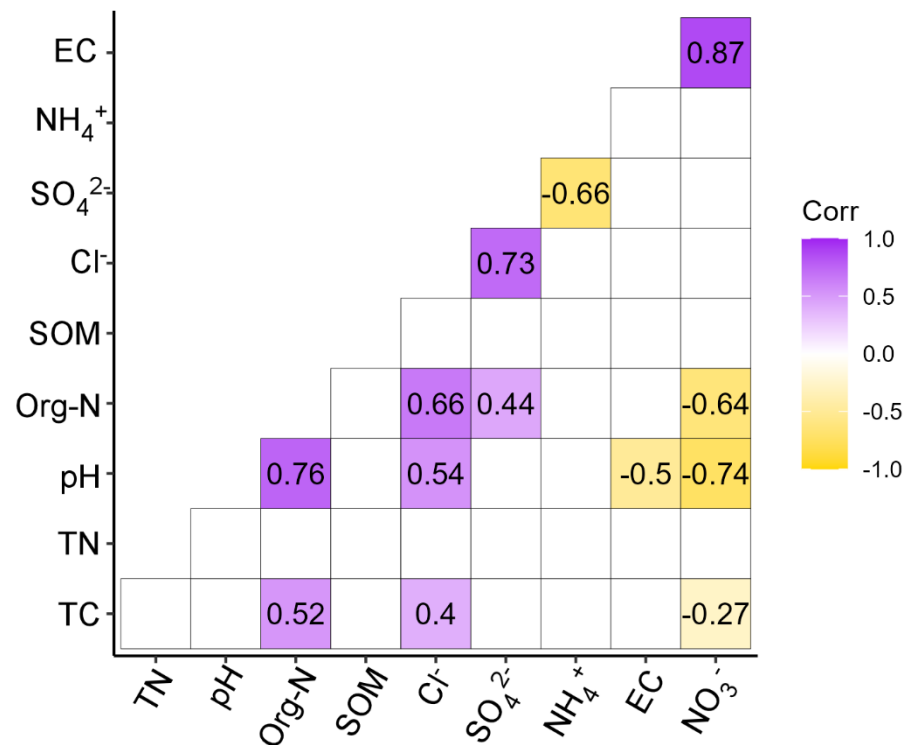


Figure S1: Correlation matrix (pearson coefficient in the box). Blank boxes are not significant correlations (p>0.05).

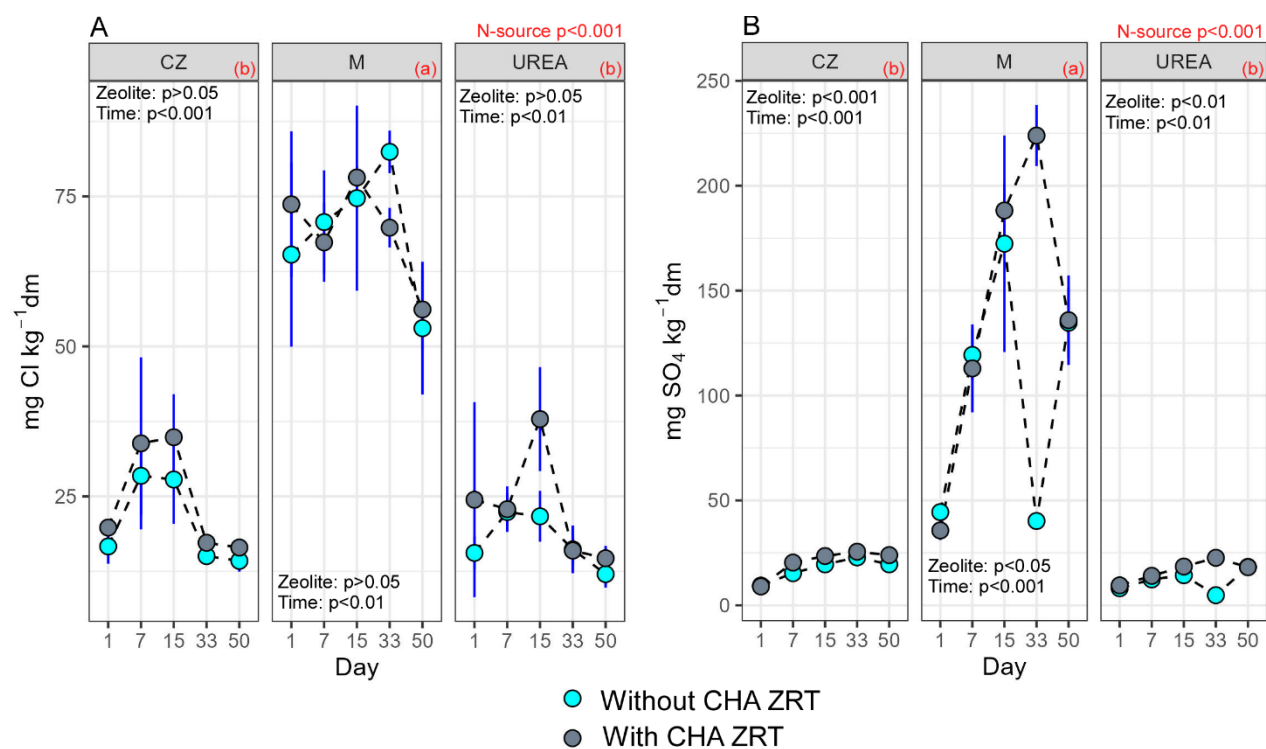


Figure S2 Dynamics of chloride and sulphate in soil water extracts during the experimental incubation. Blue vertical lines indicate standard deviation (3 replicates). Different letters (in red) refers to significant differences between the N-sources (CZ, M and UREA). The results of the 2-way ANOVA are reported for each N-source within the respective box in terms of p-value.

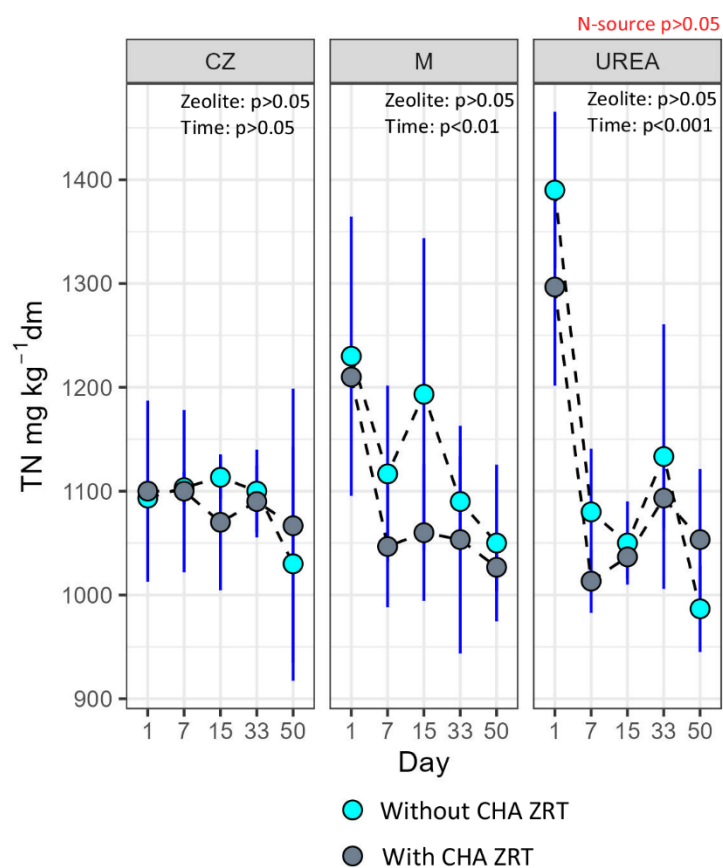


Figure S3 Dynamics of soil total N (TN) during the incubation. Blue vertical lines indicate standard deviation (3 replicates).

The results of the 2-way ANOVA are reported for each N-source within the respective box in terms of p-value.

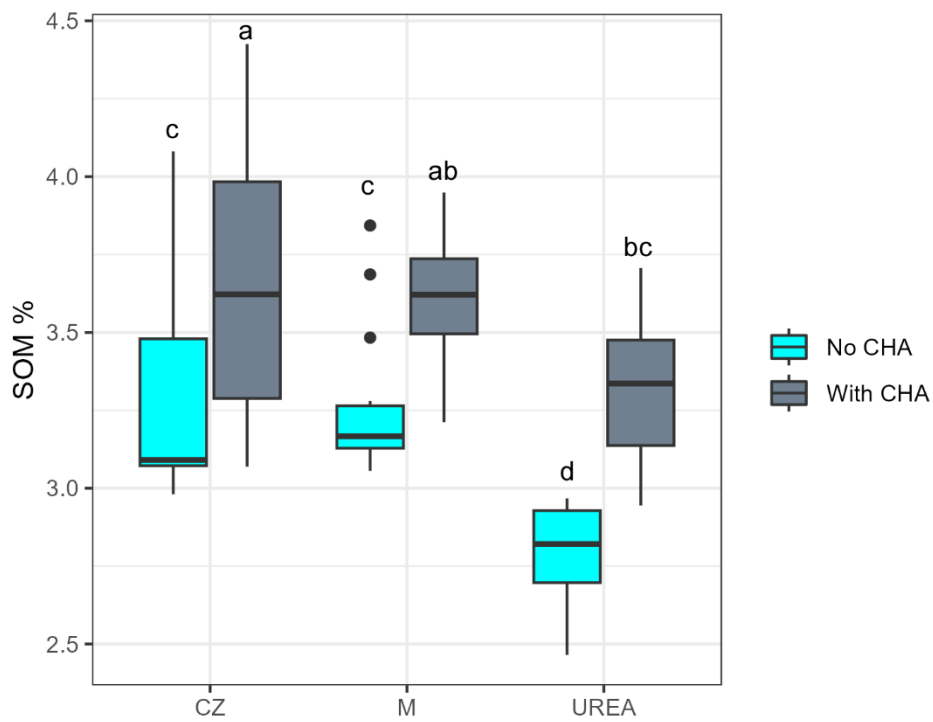


Figure S4 Soil organic matter content of the soil samples measured after calcination at 550°C. The increase in weight loss in the samples amended with 10% of CHA zeolite tuff is evident and can be related to losses of water at temperature > 105°C overlapping weight loss due to SOM oxidation. Different letters indicate significant differences as a result of ANOVA and Tukey HSD test conducted at p=0.05.