Supporting information for:

Effects of Nitrogen Fertilizer Application on Soil Properties and Arsenic Mobilization in Paddy Soil

Bing Han, Wei-Qing Chen, Yong-Qiang Jiao, Rui Yang, Li-Lu Niu, Xin-Ran Chen, Chen-Yang Ji and Dai-Xia Yin *

College of Resources and Environment, Anhui Agricultural University, Hefei 230036, China; hbin@stu.ahau.edu.cn (B.H.)
* Correspondence: daixia_yin@ahau.edu.cn

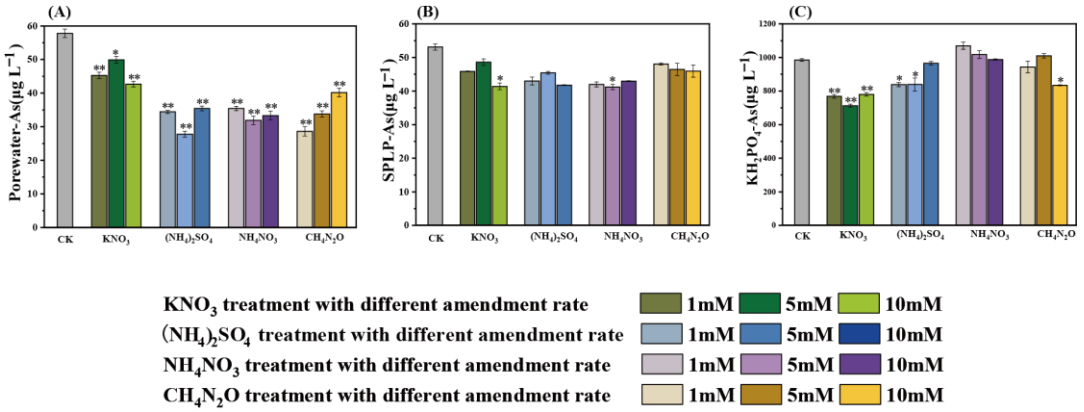


Figure S1. The Porewater-As (A), SPLP-As (B) and KH_2PO_4-As (C) concentrations under different treatments.

Notes: Data are expressed as mean ± SD (n = 3). The invisible error bar means that the standard deviation of the mean is small and close to zero. The asterisks indicate the significance between the control and different N treatments (∗, $P < 0.05$, ∗∗, $P < 0.01$).

Table S1. Principal component analysis—Linear combination coefficient and weight results

Name	Principal Component 1	Principal Component 2	Principal Component 3	Comprehensive Score Coefficient	Weight
Characteristic root	3.477	2.635	1.634		
Variance interpretation rate	38.64%	29.28%	18.15%		
pH	0.2353	0.4858	0.1557	0.3037	11.47%
Eh	0.1216	0.3887	0.5372	0.3001	11.33%
NH_4^+-N	0.4883	0.0088	0.1291	0.2494	9.42%
NO_3^--N	0.1331	0.5066	0.3720	0.3106	11.73%
S-CAT	0.2966	0.4290	0.0856	0.2971	11.22%
S-DHA	0.4017	0.0292	0.1691	0.2259	8.53%
Total Fe	0.4514	0.1952	0.2946	0.3312	12.51%
Fe(II)	0.4368	0.1941	0.3287	0.3314	12.52%
Porewater-As	0.1728	0.3092	0.5489	0.2985	11.27%