

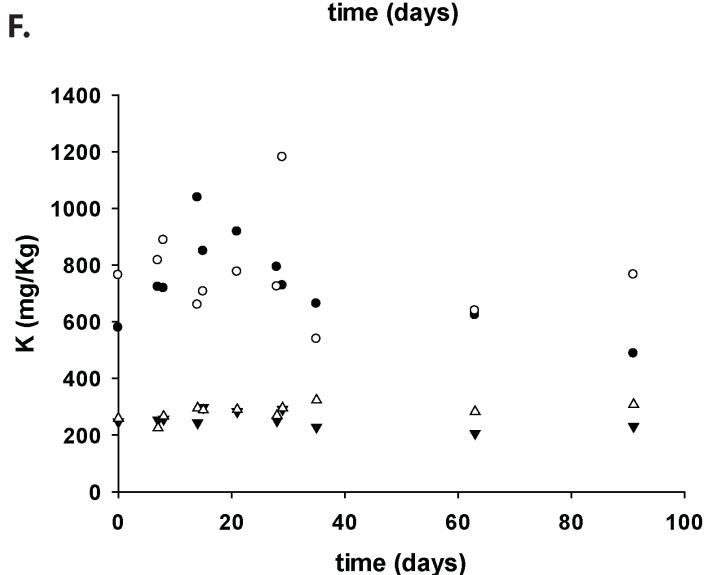
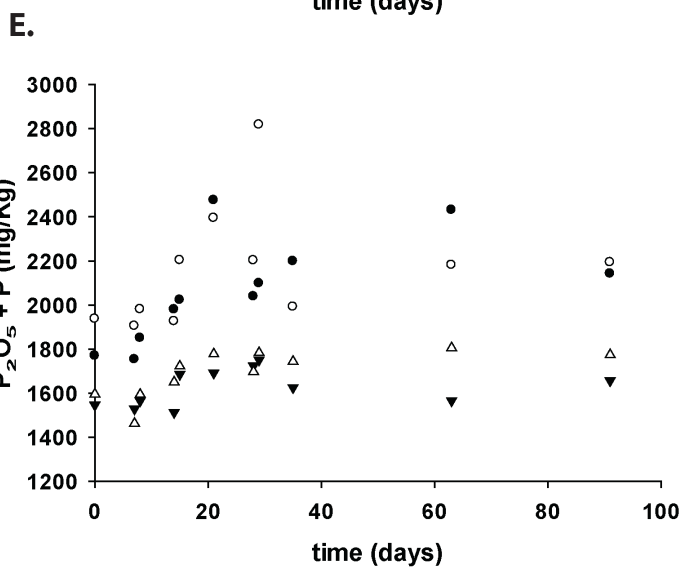
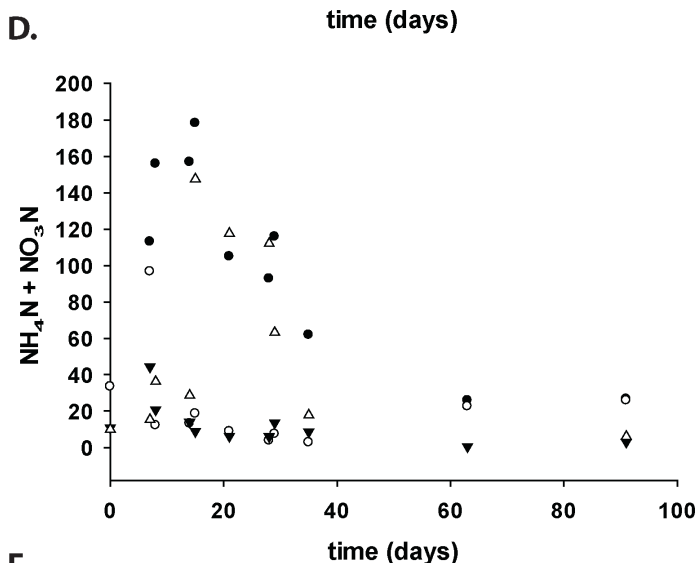
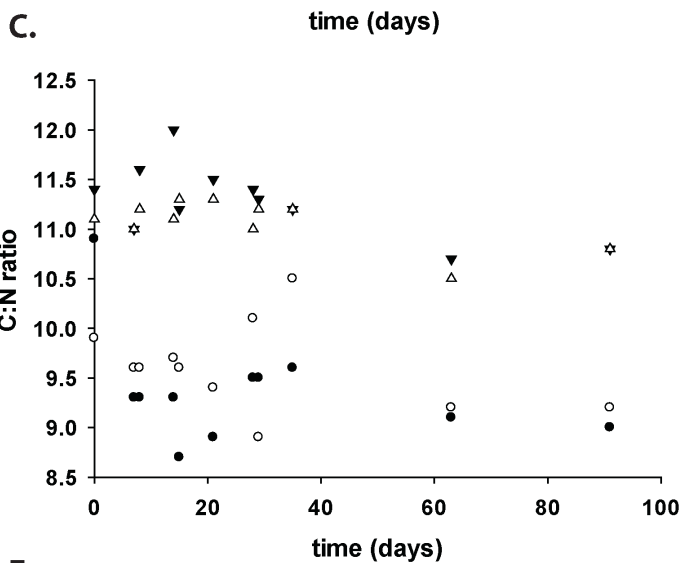
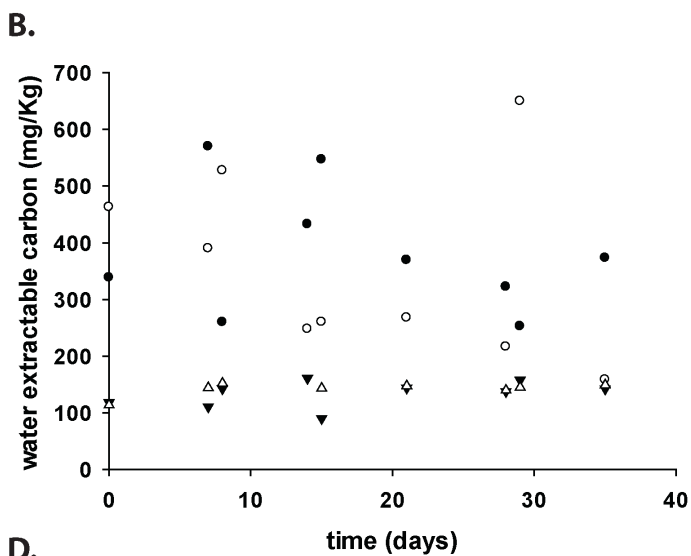
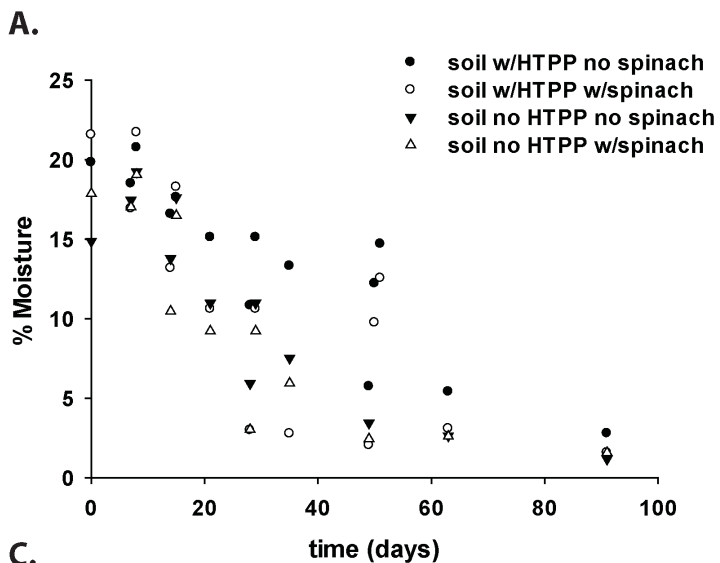
Table S1. Chemical characteristics of soil at day 0

	unamended soil	HTPP amended soil
pH	6.5±0.1	6.9±0.0
moisture %	16.4±2.1	20.7±1.2
OM LOI %	2.7±0.1	2.8±0.4
Pa*	477.3±10.7	477.3±36.0
P2O5*	1093.1±24.4	1289.7±82.5
K*	252.8±8.6	671.1±130.9
NH₄N*	1.4±0.4	30.6±2.2
NO₃N*	9.1±0.2	2.9±2.3
Total N %	0.1±0.0	0.2±0
Total C %	1.6±0.0	2.0±0.2
C:N ratio	11.3±0.2	10.4±0.7
TOC**	116.0±3.1	400.8±87.9
Ca*	1218.7±13.3	1305.6±48.2
Mg*	117.4±1.4	204.8±7.5
Mn*	15.4±0.6	34.0±12.2
Zn*	12.1±0.7	17.1±0.8
Cu*	3.0±0.1	4.7±0.5
Fe*	506.6±5.3	488.6±9.0
B*	0.6±0.1	1.4±0.4
S*	9.5±0.2	150.4±29.0
Na*	6.6±0.5	162.4±27.8
Al*	557.1±29.0	522.9±2.7

*All nutrients are measured in mg/kg

**TOC is total water extractable carbon

*** The bolded chemical characteristics were significantly positively corelated with lower k_{max}



Supplementary Figure 1. Chemical characteristics of soil over time.