

Supplementary File S3: The pH and zinc concentration in the pore waters in the ionic and NP exposures. The total pore water concentration is the pore water extracted through the glasswool and the UF Zn is the ultra-filtered (10 kDa) pore water concentrations.

ZnO NP				
Soil concentration (mg/kg)	Total Zn (mg/l)	UF Zn (mg/l)	pH (total)	pH (UF)
0	0.0172	0.025	6.16	6.39
100	-	-	-	-
225	0.808	0.858	6.35	6.76
500	1.640	1.820	6.35	6.77
1100	2.260	2.030	6.63	6.98
2200	3.900	2.820	6.76	7.01
4400	2.970	2.790	7.39	7.26
Ionic Zn				
Soil concentration (mg/kg)	Total Zn (mg/l)	UF Zn (mg/l)	pH (total)	pH (UF)
100	4.61	7.22	6.23	6.75
225	20.5	22.9	6.21	6.51
500	32.3	32.7	6.18	6.57
1100	164.0	192.0	5.83	6.16
2200	1530	1160	5.84	6.09