

Supplementary Table 1 Effects of urea coating with zinc oxide and zinc sulphate on residual soil fertility after harvest of maize (mean of two years)

Treatment	Microbial biomass C (mg C/kg)	Dehydrogenase activity (μ g TPF/g/day)	Organic soil C (%)	N	P	K	Zn
				(kg/ha)			(mg/kg)
Absolute control	277.3	20.8	0.48	180.5	10.9	320.8	0.53
0.05% of Zn through ZnO	279.9	22.5	0.48	189.8	11.0	328.5	0.53
0.12% of Zn through ZnO	280.4	24.3	0.48	192.5	11.8	338.4	0.53
0.24% of Zn through ZnO	292.6	26.8	0.49	198.7	12.0	340.5	0.53
0.47% of Zn through ZnO	310.2	27.2	0.49	200.8	12.5	342.5	0.54
0.95% of Zn through ZnO	323.7	28.4	0.49	205.3	12.9	344.5	0.54
0.26% of Zn through ZnSO ₄	320.4	27.9	0.48	200.5	11.5	349.5	0.53
0.52% of Zn through ZnSO ₄	370.3	28.5	0.49	208.8	12.9	355.4	0.54
1.03% of Zn through ZnSO ₄	382.8	29.6	0.51	212.5	13.2	368.5	0.55
2.07% of Zn through ZnSO ₄	400.2	30.1	0.52	224.5	14.8	372.2	0.56
4.15% of Zn through ZnSO ₄	420.8	32.8	0.52	230.2	14.2	380.2	0.57
SEm $\pm$	5.72	0.78	0.05	2.66	0.67	3.09	0.002
LSD ($P=0.05$)	18.29	2.48	0.16	8.52	2.14	9.89	NS

