

**Table S4. Content of the forms and values of Cu pollution indices in silty soils**

City	Land use / Horizon		Depth	Cu <sub>t</sub>	Cu <sub>a</sub>	Fractions [mg/kg]				Cu indices			
				[mg/kg]		I	II	III	IV	C <sub>a</sub> /C <sub>t</sub>	C <sub>f</sub>	I <sub>geo</sub>	BF
LB	DG	Ap	0-27	12.63	6.58	0.01	0.83	3.55	8.23	52.12	1.35	0.00	34.80
		A/Et	27-60	7.06	3.45	0.12	0.69	3.24	3.00	48.84	0.75	0.00	57.49
		Bt	60-85	6.83	2.55	0.00	0.61	3.05	3.16	37.35	0.73	0.00	53.64
		C	>85	9.38	2.29	0.67	0.56	3.14	5.01	24.37	-	-	46.55
	AG	Ap	0-25	30.48	8.29	0.00	0.56	3.07	26.85	27.21	1.14	0.00	11.91
		Et	25-45	27.83	6.28	0.00	0.76	2.87	24.20	22.55	1.04	0.00	13.03
		Bt	45-55	25.13	7.30	0.00	0.82	2.63	21.68	29.03	0.94	0.00	1373
		C	>55	26.83	5.44	0.15	0.81	2.78	23.08	20.27	-	-	13.97
	A	Ap	0-25	30.83	4.60	0.37	1.28	1.40	27.78	14.92	0.95	0.00	9.89
		Et	25-50	27.08	3.64	0.45	0.96	1.98	23.69	13.43	0.83	0.00	12.53
		Bt1	50-60	39.28	4.34	0.59	0.95	1.51	36.23	11.04	1.21	0.00	7.77
		Bt2	60-80	39.43	4.50	0.29	1.01	1.61	36.52	11.41	1.21	0.00	7.37
		Bt/C	80-100	34.18	3.48	0.22	0.95	1.59	31.43	10.19	1.05	0.00	8.05
		C	100-120	32.53	2.90	0.16	1.21	3.08	28.08	8.90	-	0.00	13.66
		C	120-140	31.33	2.54	0.29	0.86	2.94	27.24	8.11	-	-	13.06
P	DG	Ap	0-20	39.18	8.77	0.00	0.60	1.51	37.00	22.37	0.93	0.00	5.58
		A	20-41	31.68	8.45	0.03	0.68	1.88	29.08	26.68	0.75	0.00	8.19
		Et	41-67	34.83	4.25	0.10	0.60	1.14	32.98	12.21	0.83	0.00	5.31
		Bt1	67-130	41.73	4.63	0.08	0.74	1.00	39.91	11.10	0.99	0.00	4.37
		Bt2	130-150	40.68	4.19	0.12	0.80	1.19	38.56	10.30	0.97	0.00	5.21
		C	>150	42.08	4.04	0.17	0.64	0.91	40.36	9.59	-	-	4.09
	AG	Ap	0-20	46.18	13.57	7.06	4.21	2.23	32.68	29.38	1.23	0.00	29.24
		A	20-33	44.13	10.18	0.00	1.79	2.97	39.37	23.06	1.17	0.00	10.78
		Et	33-59	33.48	6.62	0.00	1.81	1.41	30.25	19.77	0.89	0.00	9.64
		Bt1	59-95	28.38	5.75	0.00	1.73	1.61	25.04	20.26	0.76	0.00	11.78
		Bt2	95-128	29.33	4.97	0.00	1.56	1.24	26.53	16.94	0.78	0.00	9.55
		C	>128	37.58	4.13	0.00	0.91	0.95	35.72	10.99	-	-	4.94
	A	Ap	0-25	43.13	5.34	0.15	0.10	1.42	41.45	12.38	1.29	0.00	3.89
		Bt1	25-40	45.48	4.28	0.17	0.39	1.13	43.78	9.40	1.36	0.00	3.73
		Bt2	40-88	50.03	4.18	0.23	0.64	1.19	47.98	8.35	1.50	0.00	4.10
		C	>88	33.38	6.32	0.22	0.85	1.35	30.97	18.92	-	-	7.23
Z	DG	Ap	0-24	38.83	25.00	1.55	3.71	9.42	24.16	64.38	1.64	0.12	37.78
		Et	24-60	22.66	12.30	1.49	2.70	5.16	13.32	54.27	0.96	0.00	41.23
		Bt	60-104	33.58	23.97	1.51	3.12	5.59	23.36	71.37	1.42	0.00	30.43
		C	>104	23.73	5.47	2.86	2.97	4.03	13.87	23.03	-	-	41.56
	AG	Ap	0-27	37.33	6.18	1.81	2.63	5.25	27.64	16.56	1.03	0.00	25.96
		Bt	27-82	32.38	4.12	4.37	4.09	4.68	19.23	12.71	0.89	0.00	40.61
		C	>82	36.28	5.32	2.33	2.39	4.05	27.51	14.66	-	-	24.16
	A	Ap	0-23	26.88	6.80	2.16	2.28	4.19	18.25	25.30	1.23	0.00	32.11
		Et	23-39	29.28	5.32	1.70	2.24	3.72	21.62	18.17	1.34	0.00	26.17
		Bt	39-101	35.53	5.02	3.27	4.06	3.62	24.58	14.14	1.62	0.11	30.83
		C	>101	21.93	4.73	1.94	3.48	3.21	13.30	21.57	-	-	39.36

Explanations: LB – Lublin, P – Przemyśl, Z – Zamość, DG – domestic garden, AG –

allotment garden, A - arable field