

**Table S3. Soil analysis for the content of biogenic elements from *Chenopodium ucrainicum* habitats**

Elements, mg/l	Habitats							
	1	2	3	4	5	6	7	8
NH <sub>4+</sub>	30,0	40,0	30,0	20,0	30,0	50,0	20,0	20,0
NO <sub>3-</sub>	0	3,8	3,8	3,8	3,8	5,4	3,8	3,8
P	163,5	273,5	163,5	163,5	109,0	437,5	163,5	54,5
K	102,6	166,9	74,7	89,0	74,7	89,0	56,1	65,4
Ca	6664,0	13328,0	18659,2	6997,2	7163,8	18992,4	14994,0	6664,0
Mg	609,6	711,2	2032,0	914,4	304,8	406,4	508,0	203,2
Fe	250,0	375,0	125,0	137,5	125,0	125,0	137,5	137,5
S	37,5	50,0	50,0	50,0	37,5	37,5	50,0	37,5
Mn	24,0	25,0	25,0	15,0	25,0	25,0	25,0	21,0
pH	7,21	7,29	7,37	7,51	7,35	7,45	7,58	7,18
C% humus	12,4	14,5	6,2	5,2	9,3	6,2	5,2	9,3

1. Obukhiv District, Bohuslav, a slope with ruderal vegetation in the Ros River valley, N49.541774°, E30.879288°
2. Bila Tserkva District, Stavyshche, in the park, N49.383974°, E30.187955°
3. Bila Tserkva District, Rozkishna, a colony on a clay slope near the road, N49.378833°, E30.189333°
4. Bila Tserkva District, Tarashcha, in an abandoned flowerbed as a weed, N49.563486°, E30.503939°
5. Obukhiv District, Kozyn, a colony in the ruderal site, in partial shade, N49.699953°, E31.115762°
6. Obukhiv District, Maslivka, at the roadside, N49.71772°, E31.167534°
7. Cherkasy District, Kaniv, country sites, at the roadside, N49.746698°, E31.468836°
8. Cherkasy District, Kaniv, Taras Hill, at the top of the slope, N49.732582°, E31.512578°