

Figure S1. (a) Pre-sowing concentration of soluble Ni (μg L^{-1}) in lime within boxes 1-4; (b) Pre-sowing concentration of biovaiable Ni (μg Kg^{-1}) in lime within boxes 1-4. Number in the x-axis refer to the four boxes. Dunn's Kruskal-Wallis multiple comparisons (Benjamini-Hochberg p-value adjustment, α -level=0.05).

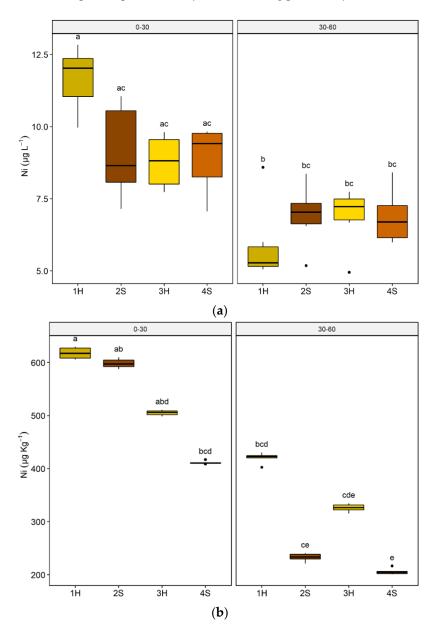


Figure S2. (a) Post-harvest concentration of soluble Ni (μg L^{-1}) in lime within boxes 1-4. (b) Post-harvest concentration of bioavailable Ni (μg Kg^{-1}) in lime within boxes 1-4. Box 1 and 3 after *Helianthus annuus* (1H, 3H); box 2 and 4 after *Sorghum vulgare* (2S, 4S). Ni concentration was grouped by depth of sampling (0-30 cm, 30-60 cm). Dunn's Kruskal-Wallis multiple comparisons (Benjamini-Hochberg p-value adjustment, α -level=0.05) was performed using data from both sampling depths.

Table S1. Dry weight (g) of biomass per plant in the greenhouse experiment (reported values are mean \pm standard deviation).

Trial	Hypogeal	Epigeal
В	4.52±0.64	15.16±0.87
B+	4.40±0.81	14.71±1.22
BC	4.50±0.80	14.58±1.07
S	0.79 ± 0.11	5.91±0.39
S+	0.37 ± 0.10	4.73±0.51
SC	0.56 ± 0.14	5.97±0.49

Table S2. Dry weight (g) of biomass per plant in the outdoor experiment (reported values are mean ± standard deviation).

Box	Root	Stem	Leaf	Infructescence
1H	22.37±2.38	81.16±3.89	27.30±2.77	33.58±2.51
3H	27.21±2.19	87.66±3.27	44.50±3.72	37.00±2.27
Н	27.09±1.89	88.43±2.32	41.17±1.67	37.00±3.53
2S	14.59±1.19	38.86±1.87	20.76±1.50	13.98±2.13
4S	16.98±2.00	39.54±1.46	21.60±2.20	14.19±2.43
S	15.66±2.20	37.32±2.66	21.75±2.87	14.13±3.00