Peculiarities of absorption of radionuclides by perennial and annual plants from contaminated soils

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The phytoremediation properties of some annuals and perennials in soil contaminated with Cs-137 are compared. It is shown that some perennials, such as Spiraea japonica and Fern, no longer absorb Cs-137 after some critical value of soil contamination is reached. Chenopodium (annual plant) withstands high levels of soil contamination with Cs-137 before withering. Only before the end of the life cycle does it lose its ability to resist and Cs-137 is being absorbed.

References

[1] Peculiarities of absorption of radionuclides by perennial and annual plants from contaminated soils, Georgia, 2020, DOI 10.48616/andr-artc-2021-0001.