

13. COMPARISON OF RADIOECOLOGICAL PROCESSES ON EXAMPLES OF VILLAGES, POLLUTED BY ^{137}Cs AND ^{90}Sr OF THE BOX MODELS, APPRECIATED ON A METHOD

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Results of the analysis of ^{137}Cs radionuclides flows as an example of village Galusia of the Volyn region and in ecosystem of village Kotsyubynchyky in Ternopil region polluted by ^{90}Sr are considered. The analysis is made by the method of box models. The block diagrams of ecosystems were created, and the mathematical models by the method of box models are developed. It has allowed estimating ways of formation doses of an internal irradiation at the expense of products of meal for different groups of population – working people, pensioners and children, and prognosed dynamics of these doses for the next years after Chernobyl NPP accident. It was established, that doses in these villages formed by other ways, depending on radionuclide, pastures structure and levels of their pollution.