

COMPARATIVE EVALUATION OF THE ^{137}Cs DISTRIBUTION IN THE PINE AND PINE-OAK FOREST ECOSYSTEMS OF UKRAINIAN POLISSIA

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In the forest ecosystems which differ by the growing conditions, the studies of the ^{137}Cs distribution in the components of the forest biogeocenoses have been performed, the total inventories of the radionuclide in the ecosystems have been estimated and the role of each component in the distribution has been evaluated. On the basis of established quantitative characteristics of the ^{137}Cs distribution the conclusion was done about the key role of the trophity of the forest site involving the radionuclide into the biological circulation.

Keywords: biological circulation, forest ecosystems, trophity, aggregated transfer coefficient, accumulation of ^{137}Cs .