

SPECIFIC FEATURES OF ^{137}Cs MIGRATION AND ACCUMULATION IN CHERNOZEM SOILS OF FOREST ECOSYSTEMS IN THE ZONE CONTAMINATED DUE TO THE CHORNOBYL ACCIDENT

O. B. Tsvetnova, A. I. Shcheglov, A. A. Orlov

A number of factors influencing ^{137}Cs fate and biological availability in chernozem soils under the forest vegetation were assessed for various climatic zones. The migration rates of ^{137}Cs in the profile of chernozem soils were shown to depend primary on forest litter composition and structure. In the absence of forest litter the soil mineralogical composition and humus content become the most influential factors of caesium mobility.