

14. THE CONTENT OF ^{137}Cs IN *SUILLUS LUTEUS* IN THE TERRITORIES WITH DIFFERENT LEVELS OF RADIONUCLIDES POLLUTION OF SOIL (KIEV REGION)

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Accumulation of ^{137}Cs by *Suillus luteus* passed in two stages. Since 1986 up to the middle of 90th the annual increase in levels of specific activity of radiocesium was marked; at the second stage (from the middle of 90th on present time) there is a gradual decrease in the contents of ^{137}Cs in *S. luteus*. In the tests selected in the autumn of 1986 on ranges of Kiev region, the contents of ^{137}Cs varied within the limits of 80 - 800 Bq/kg of fresh weight. In 10 years after accident the disorder of specific activity values of ^{137}Cs in "dirty" and rather "pure" territories has increased up to 2000 times. At the second stage speed of decrease in the contents of ^{137}Cs in *S. luteus* is differed for the territories with various level of soil pollution.