

EVALUATION OF BIOLOGICAL COMPONENT OF EFFECTIVE ENVIRONMENTAL HALF-LIFE OF ^{137}CS IN MOSS COVER

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Multiyear dynamics of ^{137}Cs content in alive and dead parts of green mosses-dominants of moss layer and also the same index of 0-2-cm layer of soil of forests of authomorphous landscapes have been analyzed. It was found that for all analyzed moss species was specified decrease of ^{137}Cs specific activity in alive part and increase in dead part of mosses. Duration of effective environmental half-life for moss cover of authomorphous forests period has been calculated; it varies from 24 years in *Pleurozium schreberi*, 23.5 years in *Hylocomium splendens* to 18 years in *Dicranum polysetum*. Biological half-life was essentially longer in these species – 117.4; 106.3 and 44.6 years accordingly.