

**N. D. Kuchma, A. N. Iakymenko**

**DETERMINATION OF TRANSFER FACTORS FOR  $^{137}\text{Cs}$   
FROM SOD-PODZOLIC SAND SOIL TO VEGETABLES**

Agrochemical parameters of sod-podzolic sand soils Vyshgorodskiy district of Kyiv region have been investigated. The main species of vegetables cultivated at homestead lands have been determined. Intake of  $^{137}\text{Cs}$  from soil to goods part of vegetable production using the transfer factors of  $^{137}\text{Cs}$  has been assessed. Transfer factors of  $^{137}\text{Cs}$  from soil to leaves of dill have been accured 0,41 - 0,72, to fruit of cucumber – 0,04 - 0,07 and to root of carrot 0,07 - 0,12. Content of  $^{137}\text{Cs}$  on vegetable products meet the requirements state sanitary regulations.

*Keywords:* radionuclide, vegetables, homestead lands, soil, transfer factor,  $^{137}\text{Cs}$ .