ECOLOGICAL PECULIARITIES OF COPPER CHEMICAL FORMS CONTENT IN THE ERODED SOILS

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Abstract. The content of total and chemical forms of copper, the features of the distribution and transformation of compounds of copper in none eroded; weakly, moderately, strongly eroded; accumulative soil – deluvial of Gray soils and Calcareous chernozems from Republic of Moldova are presented. Erosion process led to increase the chemical forms associated with clay minerals, carbonates, oxides, and reducing the mobile and humus organic forms. The losses of copper in different chemical forms consist 33-35% from humus horizon of agricultural eroded soils. The data are using as ecological and diagnostically indicators of trace elements losses from soils surface.

Keywords: agriculture, chemical forms, copper, soil, transformation.