

## **THE ELEMENTARY STRUCTURE OF THE BLACK SOIL AFTER THE DIFFERENT TYPES OF THE ANTHROPO-GENICAL INFLUENCE**

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The elementary structure of the humic acids of the arable layer of the black soil leached with the variable degree of the anthropogenical influence has been examined. It has been ascertained that the annual systematic applying mineral fertilizers in the sufficient doses in compare with the control leads to the increase of the carbon and the aromatic fragments in the humic acids. It has been found out that the composition of the humic acids of the soil that had been cultivated by the calcium meliorant has been similar to the composition typical for the humic acids checking variants. The dispositions of reconstruction of the humic acids and their high calorific values have been found out by using the examples of all the checking variants.