

MICROBE OF ASSEMBLAGE CHERNOZEMЫ AND FITOTOXICITY OF BEDROCKS BEET ROTATION OF CROPS

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The composition of microbial community and phytotoxicity of leached chernozem were studied, depends of crop rotation and degree of filling of sugar beet in crop rotation complex. Increase of fields with sugar beet in structure of crop rotation complex results in recombination of microbial complex and biological properties are deteriorated. The activity of organic mineralization and increase of microscopic fungi and actinomycetes were founded at 30% filling of sugar beet, and phytotoxicity has been detected. Phytotoxicity of soil increases significantly for test-crop and main crop (sugar beet) at 40% filling of sugar beet in crop rotation complex.