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-0,3-0,4

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[5].

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	4,87	4,70	4,44	—	5,51	7,39	6,93	—	4,31	7,25	7,00	—
:	—	4,40	4,01	5,41	—	7,95	6,76	7,14	—	5,57	5,51	5,23
N ₁₀₀ P ₁₀₀ K ₁₀₀	—	4,36	4,73	4,69	—	7,92	6,92	6,10	—	6,33	5,52	6,34
:	—	4,10	4,26	—	—	4,79	4,89	—	—	3,82	6,47	—
	—	3,77	8,04	—	—	7,25	7,44	—	—	6,56	9,16	—
05	0,87				0,78				0,73			

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(R = 0,8).

[4].

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DYNAMICS OF MICROORGANISMS INVOLVED IN THE TRANSFORMATION OF NITROGEN-CONTAINING SUBSTANCES IN GRAIN-FALLOW CROP ROTATIONS

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The impact of crops of grain-fallow crop rotation, fertilizers, and their aftereffect on the formation and functioning of microbial community, which fulfills ammonification, nitrogen fixation, and immobilization in the soil, was studied. The numbers of microorganisms developed at the later decomposition stages of nitrogen-containing organic substances were determined. It was found that the number of nitrogen-fixing microorganism increased in the soil under winter wheat and sugar beet plants (at the application of $N_{100}P_{100}K_{100}$), which could contribute to the input of extra nitrogen into the soil.

Keywords: ammonifiers, nitrogen immobilizers, oligonitrophils, diazotrophs, microbial community, nitrogen cycle.