

FORMATION OF THE RHIZOSPHERE MICROBIOTA AND INCREASE THE PRODUCTIVITY OF TOMATO PLANTS UNDER THE INFLUENCE OF BIO-FERTILIZERS

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Bio-fertilizers based on nitrogen-fixing bacteria *Bacillus subtilis* and humate potassium exhibit a stimulating effect on the number of microorganisms of the rhizosphere of agronomically important groups of tomato variety Chaika. Processing seeds bio-fertilizers reduces passage of the basic stages of organogenesis tomato plants in the seedling period, accelerates the rate of formation of true leaves and flowers of the amount pledged. It was used of bio-fertilizers Agro Buck Plus, Rost Kontsentrat (Velez-BIO, Ltd. LNG) and Ekstrasol (LLC Bisolbi-Inter) leads to an increase in dry matter content, total sugar, vitamin C, reduction of nitrate content and increase the nutritional quality of tomato fruits.

Key words: bio-fertilizers, tomato, microbial groups, productivity.

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