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THE INFLUENCE OF MICROBIAL PREPARATIONS ON THE ECOLOGICAL STATE OF SALINE SOILS

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ABSTRACT

The rational use of a wide range of microbial biological products in ecological farming is of great importance. Due to the activation and modification of natural control mechanisms with such preparations, it is possible to control the processes of regulation of increasing or optimizing indicators important for agriculture. In particular, the use of complex microbial preparations has great prospects in ecological farming. One of these drugs are microbial preparations "Bist" and "Bist-M".

KEYWORDS: *Ecological, Microbial Biological Product, Salinity, Soil, Cotton, "Bist" And "Bist-M" Biological Products, Reducers (Destructors).*

REFERENCES

1. CHebotar V.K., Zavalin A.A, Kiprushkinaye.E. Efficiency of application of the biopreparation Extrasol. M.: VNIIA Publishing House, 2007. - 230 p. (in Russian).
2. Yefimova V.N. Nitrogen nutrition and productivity of peas and fodder beans during the treatment of seeds with a complex of bacterial preparations /V.N. Efimova, G.A. Vorobeikova, A. PAtelya // Agrochemistry, -1996. No. 1 - S. 10-11. (in Russian).
3. 3. Kovalen N.G., Rabinovich G.YU. Microbiological evaluation of the product of aerobic biofermentation - a new type of organic fertilizer / Vestnik RASKHN. - 1997. - No. 5. - S. 45-47. (in Russian).
4. Djumaniyazova G.I. Phosphormobilizing bacteria and bacterial fertilizer based on them, Dr. of author's abstract, doctor of biol, sciences 03.00.07.-03.00.23.- Institute of Microbiology, Ruz Academy of Sciences, Tashkent, 2012. 101 pp. (In Russian).
5. Narbayeva KH.S. Salt-resistant cotton bacterium with polyfunctional properties and a biological preparation of complex action based on them. Author's ref. the doctor was. Sciences 03.00.07.-03.00.04 Institute of Microbiology, Academy of Sciences of the Russian Federation, Tashkent, 2016. 25 pp. (in Russian).
6. Zvyagintsev D.G. Methods of soil microbiology and biochemistry, Moscow, 1991, 303 s.
7. Bol'shopraktikumpomikrobiology edited by Seliber, Moscow, 1996, 420 p.

8. Patent № IAP 02780 Biologiko'g'itolishusuli (ixtiromualifi K. D. Davranov).

9. Tavakkoli E., Fatehi F., Coventry S, Rengasamy P. and McDonald G.K., Additive effects of Na CI ions on barley growth ander salinity stress // Journal of Experimental Botany, 2011. vol. 62, no. 6, - pp. 2189-2203.

10. Chaves M.M, Flexas J., Pinheiro C. Photosynthesis under drought and salt stress: regulation mechanisms from whole plant to cell // Ann Bot. 2009. - 103, -pp. 551-560.