THE EFFECT OF MICROBIOLOGICAL PREPARATIONS OF COMPREHENSIVE ACTION ON PRODUCTIVITY OF FIBRE FLAX AND ITS SUSTAINABILITY TO PHYTOPATHOGENS

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The new microbiological preparations with different composition of bacteria were investigated in this experiment. Their impact on the growth and development of fibre flax *(Línum usitatíssimum L.*) at different methods of treatment was studied. As a result, data about efficiency of the fiber flax treatments with micro-biological preparations were obtained. Practically in all variants of experiment the preparations had a positive impact on the growth and development of the plants and sustainability to pathogens compared to control. The application of microbiological preparations has allowed to increase the productivity of fibre flax straw by 9–11% and seed yield by 8–10%, and to reduce the of plant incidence.

Key words: microbiological preparations, fibre flax, sustainability, productivity, diseases, grade.