THEORETICAL ASPECTS OF THE INTRODUCTION OF ROBOTIZATION AND AUTOMATION IN THE AGRICULTURAL SECTOR OF THE REGION

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The article actualizes the issue of increasing labor productivity in agricultural production through automation and the introduction of robotics. As a result of the study, it was found that farms of various types feel the need for automation of the harvesting process, which led to further areas of analysis. A review of the current state of the agricultural robot market is presented and its key players are identified. The tasks of agricultural robotization are posed and formulated. Automation of agricultural processes is a means of increasing the efficiency of production, as well as a means of adapting the enterprise to changes in the social, economic and environmental environment. The authors of the article also revealed negative aspects of the impact of the introduction of agricultural robotics, primarily related to the loss of large volumes of the working class from the production process.

Keywords: technological development, robotics, agricultural industry, solving applied problems, unmanned aerial vehicles, production efficiency.

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