

PROBLEMS AND PROSPECTS OF INTRODUCING ROBOTIC AND INTELLIGENT TECHNOLOGIES IN CROP PRODUCTION

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Annotation. The article discusses the prospects for the use of artificial intelligence technologies in agriculture, namely in the cultivation of cereals, vegetables and fruits, in order to increase production efficiency. The main key areas of application of artificial intelligence technologies are considered. Today, the introduction of new intelligent robotic technologies and analytical systems is extremely necessary, since farmers need high-quality processing of incoming data from various devices, sensors, agricultural machinery, meteorological stations, drones, satellites, etc., on the basis of which further decisions can be made.

The article presents economic calculations of some robotic systems in agriculture, and also discusses their competitive advantages.

Keywords: agricultural robotics, digital technologies, intelligent technologies, artificial intelligence, machine learning, robotics, robots, human resources

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