

PROSPECTS FOR REDUCING THE ENVIRONMENTAL BURDEN OF AGRICULTURAL PRODUCTION BASED ON MASS ROBOTIZATION

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Agriculture is the main source of subsistence of food production and income. If natural resources, in particular land, are not used efficiently, agriculture is also a source of environmental pollution from pesticides, herbicides, and the reduction of agricultural land. The article discusses the main trends in the impact of intensive agricultural production on the environment, problems of evaluating the impact of robotics on production processes in agriculture. The paper also examines the production risk factors that affect human health, since this industry is characterized by a close combination of social and natural factors. The existing and developed technologies for minimizing the environmental burden of agriculture and their features in solving fundamental problems of the individual and society are presented.

Keywords: agriculture, crop production, robotization, ecology, renewable resources, drones, population.

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