

SUSTAINABLE MANAGEMENT OF IRRIGATED SOILS IN UKRAINIAN AGRICULTURE

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Abstract

In the structure of land resources of Ukraine there are significant disproportions, the deepening of which can be a threat to the environment and living environment, as well as the effectiveness of economic activity, sustainable development of the national economy. Irrigation and drainage strategy of Ukraine until 2030 can to ensure sustainable ecologically balanced development of agriculture in Ukraine by modernization, rehabilitation and expansion of irrigation systems. The soil cover of Ukrainian irrigated land is featured a significant dissemination of poorly productive and degraded soils if unsustainable agricultural methods are pursued. Monitoring of the fertility of the irrigated lands, directed to the formation of the models of steady, ecologically safe and economically effective agriculture is required. The complex of measures to manage the fertility irrigated land was developed by authors. Analysis showed that investment along priority irrigation systems would require more than \$ 3 billion. The main sources of finance for the of the complex of measures in Ukraine include the following: projects and grants for capacity development of the institutions; international development loans; private investment through leasing, regular bank loans and farmers' own capital.

Key words: irrigation system, irrigated soil, soil management, sustainable management.