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SOIL RECLAMATION AND CONSERVATION IN THE RIVER BASINS OF CENTRAL ASIA

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ABSTRACT

Years of research provides ground for conclusion that in order to fix the salinity level of aquifers in arid zones and increase agricultural productivity in such areas, it is essential, first of all, to determine the consequences that cause salinization. Therefore, qualitative land evaluation is a crucial for assessing the agroecosystem. The purpose of this study is to propose an effective technology for restoring soil fertility on saline and unsuitable lands peculiar to Central Asia. A technology that takes into consideration the genetic, water-physical properties of soils, regulating water and salt exchange in the air exchange zone, controlling the mineralization of groundwater, improving the reclamation and ecological state of meadow soils in the geosystem.

Keywords: evaporation, water, soil, ecology, groundwater, soil degradation.