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**THE VALUE OF LARGE-SCALE INVESTIGATIONS OF SOILS OF
UKRAINE IN 1957–1961 FOR THE DEVELOPMENT OF DOMESTIC
AGRONOMIC SOIL SCIENCE**

Summary

The relevance continuous mapping of soils in Ukraine is that at all times, in all nations major national wealth has always been the Earth. Continuous survey of soil cover state and collective farms of USSR began in 1957 and lasted four years. For the first time in the world has been carefully checked the number of invaluable resource and examined the state of its soil component from the standpoint of suitability for cultivation of major crops. Despite the priority of a purely production order documents for soil survey (soil essay, operational characteristics, a set of cartograms agronomic recommendations for rational use of land), namely those materials serve as the standards of this background monitoring soil quality. The soil survey was seized while about 45 mln. Ha of agricultural land. Manual mapping of soil was placed on the Ukrainian Research Institute for Soil Science. Large-scale surveys of soils stepped comprehensive study of specific types, subtypes, types of soils Ukraine. The country has received all the necessary materials to implement scientifically based land management, land cadaster operations, quality, and economic, environmental, monetary value of land during land reform and so on.

The results of the comprehensive survey of soil 1957–1961 pp. State information provided huge database of soil - their geography and topography, agro-industrial characteristics, their technology and increasing fertility in general rational use of land - the most valuable resource of the state. The state then received: record of farmland (Square all soils at the species level on the maps of different scales and explication of land); large-scale regional, medium-(1: 200,000), regional and national (1: 75000) soil maps of Ukraine; small-scale soil maps of Ukraine (1: 500,000 and 1: 2,500,000); Soil map of Ukraine (1: 6,000,000); bioclimatic zones, regions, subzone, provinces, districts, sub-districts, neighborhoods, agricultural land types and their nomenclature, typology of eroded lands, the quality of soil, soil-ecological zoning, soil-reclamation of saline and alkaline investigation of soil .

The next step – re-examination of soils Ukraine on a new cartographic and methodological basis using remote sensing of soil materials and their interpretation, the automated system of soil Service of Ukraine-based methods of remote sensing and GIS technologies that allow you to instantly get the electronic version of the information about the land area and its owner in the most remote village especially, costs, level of soil fertility, environmental and agrochemical passport and so on.

So, in the 1957–1961 biennium. Large-scale survey was conducted soil Ukraine. The importance of such a continuous survey carried out by unprecedented at that time science and agro-industrial program evaluation (characteristics) of the People's wealth cannot be overemphasized. The grand was not only the scope of this work, covering virtually all land in Ukraine, but their methodical, scientific, instrumental and organizational support that operated flawlessly as the day before, and during a large-scale regional surveys of soil.