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**THE ROLE OF ZEMSTVO STATISTICIANS OF CHERNIHIV
TYPE LATE NINETEENTH CENTURY IN DEVELOPMENT OF
AGRICULTURAL RESEARCH**

Summary

The article considers the influence of Chernihiv type zemstvo statistics on the development of scientific and applied agronomy in Ukraine. The purpose of this article is to determine the major results of the Zemstvo statisticians Chernihiv region at the end of the XIX century, which have had importance to agricultural science and practice.

In the late XIX c. important in the provincial government had provincial zemstvo institutions. For an effective economic activity and promote agriculture these institutions held various statistical researches. Founded in February 1876 statistical office at the Chernigov province zemstvo conducted evaluative and statistical work, much of which was related with the agricultural statistics.

The structure of the programs for the collection and analysis of statistical material developed in 1876 in Chernihiv statistical department, and an approach that takes into account natural geographic and others living conditions with the peculiarities of regional productive resources stored for the duration of the existence of Chernigov province Zemstvo.

Throughout the 1880s the members of the statistical department at the Chernigov province Zemstvo board with the purpose of study of agricultural province

(primarily land, its profitability and productivity) was performed the works with a description of some districts of the province. All collected data were analyzed according to the procedure of studies and grouped by county. The research results were presented by a single structure. In these were given statistical data about the classification and methods of use of land, was estimated the impact of soil, crops growing systems, meteorological phenomena on the dynamics of crop yields, determined the degree of profitability exploitation of natural resources and others. Was conducted the determination of indexes for evaluation profitability of land property based on various factors - productivity, rental prices in the county and others. This made it possible to compare and get a consolidated description for the whole province. Statistical study of soils was first conducted in the description Novozybkov County. The results of this study made it possible for A.P. Shlykevych to make the soil map of the province.

Employees of the department performed final processing of the collected data, summary of results (which used tables) and their interpretation. Analyzing the problems of Chernihiv province V.E. Varzar and A.A. Rusov concluded that the inability to use only the average characteristics and the need to conduct research by type. Statistics of Chernihiv province Zemstvo in their work widely used and typological and combined grouping (in developing data about crop them were used grouping of land by the type and soil quality). They not only have facilitated groupings into widespread use, it improved, but also have developed rules for constructing tables. They built a simple table for data indexed by typological grouping. And they built a group or combinations table for data indexed by a combined grouping. This data presentation promoted revealing the link between characteristics (using mathematical statistics). Chernihiv Statistics also developed and investigated methods of continuous and selective research.

Methods and approaches of estimated statistical work developed and used in practice statisticians of Chernihiv Regional Council (typological and combined grouping, methods of continuous and selective research) and their methodological aspects, the soil map of the province are factors that contributed to the development

of agricultural research in the late XIX - in the early XX century. Their constant contacts with agrarian scientists promoted to improving the practical methods of assessment and analysis of experimental data and implementation for use in the agricultural experimental case.