

UDC 631.155.2:658.8 (478)

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Scientific maintenance of agriculture in Ukraine

The purpose. To determine and analyze the state of scientific maintenance of agriculture in Ukraine.

Methods. The method of empirical research is used.

Results. Outcomes of researches in scientific maintenance of agriculture on the basis of monitoring of dis-sertational works of Ukrainian scientists for 2000-2012 certified by HAC of Ukraine in the branch «Agricultural sciences» are brought.

Conclusions. Agriculture as the base component of agrarian sector of economy of Ukraine has essential scientific maintenance re-garding the protected dissertational works in direc-tions «Agronomics» and «Zootechny», in particular in speciality «Selection», and insignificant in direction «Forestry».

Key words: state of scientific maintenance, agricul-ture, monitoring, dissertational work, scientific specialties, scientific directions.

Formulation of the problem. As the world experience shows, for the development of innovation activity, in particular, agriculture, first of all, it is necessary to provide sufficient scientific support to this direction. Currently, one of the main tasks is to identify and analyze the state of scientific support for agriculture in Ukraine. Analysis of recent research and publications. The issue of scientific support for agriculture is devoted to the research of experts of OECD, EU, domestic scientists, in particular V.G. Boyko, AD Maniukova, P.T. Sabluka [1, 2, 3]. In the writings of these authors the problem of scientific support of agriculture, especially its directions, influence on innovation activity is investigated. At the same time, the scientific support of agriculture as a basic component of the agrarian sector of the Ukrainian economy in terms of protected dissertations was not studied enough. The purpose of the research is to determine and analyze the state of scientific support of agriculture in Ukraine. Methodology and methods of research. Monitoring of the defended works in the field of agricultural sciences protected in 2000 - 2012 according to the List of specialties, which protects theses for obtaining scientific degrees of the candidate and doctor of sciences, approved by the order of the Ministry of Education and Science, Youth and Sports of Ukraine dated 14.09. 2011 No. 1057 "On Approval of the List of Scientific Specialties". Monitoring of the protected sciences in the field of agricultural sciences protected in 2000 - 2012 in the field of specialties of the Higher Attestation Commission of Ukraine was carried out on the basis of the data of the Automated Information Fund of R & D and defended dissertations [4-6]. The method of empirical research was used. Research results. Agriculture as the basic component of the agrarian sector of Ukraine's economy largely determines the socio-economic development of the country, the standard of living of the population, provision of its food products, and industry - raw materials. According to the volume of sales in 2012, this sector has taken 6th place after wholesale and retail trade and repair of

motor vehicles, motorcycles; industry; transport; warehousing; postal and courier activities; professional, scientific and technical activities; financial and insurance activities. Thus, the share of agriculture in the total gross value added of all types of economic activity in 2012 amounted to 9.2%; export of agricultural products and food industry - 26% of the total export value of Ukraine. In agriculture, 17.2% of the employed population, agricultural land occupy 68.9% of Ukraine's territory, and land cultivation is 53.8% [7]. In Ukraine, as in many developing countries, extensive development of both agriculture and most sectors of the economy can be traced. The volumes of agricultural production are far behind the volumes of neighboring countries with similar geographical and climatic conditions, and in 1991 - 2012 the reduction of the gross agricultural output in comparison with the base 1990 was 21%. In order to create organizational and economic conditions for the effective development of the agrarian sector, a number of normative legal acts introducing innovations into agro-industrial production has been identified as a priority task of economic development and state policy in Ukraine. Thus, the State Program for Enhancing Economic Development for 2013-2014, approved by the Cabinet of Ministers of Ukraine from 27.02.2013, No. 187, encouraging the introduction of innovative technologies in crop production for the purpose of import substitution is identified as one of the tasks of the state policy for 2013 - 2014 [8]; The order of the Cabinet of Ministers of Ukraine dated August 14, 2013 № 843-p is the agro-industrial complex enrolled in the priority sectors of the economy [9]; The strategy of development of the agrarian sector of the economy for the period until 2020, approved by the Decree of the Cabinet of Ministers of Ukraine dated October 17, 2013, scientific support of innovation development, formation of partnership relations between self-regulatory associations of agricultural producers, state and branch science in the field of development of seed production, breeding and tribal affairs, technical and technological provision of the agrarian sector is one of the priority directions of achieving the strategic goals of the Strategy [10]. As with to start monitoring results, in 2000-2012, 2831 dissertations were defended in the field of agriculture in 28 specialties, of which 2546 (89.9%) - candidate and 285 (10.1%) - doctoral dissertations. The largest number of master's theses (225 units or 8.8%) was defended in 2006, almost at this quantitative level they were protected in 2007, 2009 and 2012, the least candidate dissertations (168 units or 6.6%) are protected in 2001 (table, Figures 1 and 2).

Of the total amount defended in the research period of the dissertation in the areas of scientific activity, the largest number of dissertations (1807 units or 63.8%) were protected in the direction of "Agronomy", while in the direction "Zootechnia" protected 523 or 18.4%, "Forestry " - 249, or 8.7%," History of Agricultural Science " - 252, or 8.9% of theses. It should be noted that in the direction "History of Agricultural Science" most of the dissertations were protected in 2000-2002 (14-22%), while in subsequent years the number of defended dissertations decreased almost twice - both candidate and doctoral. The results of the monitoring of the dissertation work on the specialties of the main areas of "Agronomy", "Zootechniya", "Forestry" indicate: 1. According to the direction "Agronomy" in accordance with the defined VAK 14 specialties for 2000 - 2012 1807 defended, of which : agronomy and agrophysics 89 agrochemistry 70 viticulture 48 herbology 27 general agriculture 143 fodder production and mowing 63 melioration 121 seed production 45 horticulture 53 primary plant cultivation 15 planting 66 plant growing 370 plant selection 497 f topatolohiya 200 in this area most of theses defended, specialty "plant breeding" - 497 units, or 27.5%, occupies the second position specialty "crop", which is protected by 370 theses, or 20.5%. It should be noted that today the specialty such as "primary processing of crop products" is so important today for the Ukrainian economy, which is almost not covered by scientific research: only 15 theses or 0.8% of which are defended in this specialty, of which the largest number of theses were defended in 2003 - 2004 and in 2007 - 2012 there was no defense of theses. 2. In the direction of "Zootechnics" in 2000 - 2012, 523 dissertations were defended, of which, in specialties: animal feeding and feed technology - 127 theses (24.3%); technology of production of livestock products - 104 theses

(19,9%); breeding and breeding animals - 257 theses (49.1%); Fish farming - 35 theses (6.7%). It is characteristic that the largest number of dissertations in this area is protected by the specialty "Breeding and selection of animals" - 257 units (49.1), most of which in 2000 and 2009. The largest number of doctoral dissertations is also protected in this specialty and is 13.2% of the total number of dissertations, or 54% of the number of doctoral theses defended in 2000 - 2012. 3. In the direction of "Forestry" in 2000 - 2012, the smallest dissertation was defended (about 8%), at the same time, the largest (53.2%) of the thesis was defended in the field of "forest crops and phytomelioration".

Conclusions

The results of the research carried out by the authors on the scientific provision of agriculture on the basis of monitoring of dissertation papers protected in Ukraine for 2000 - 2012 in accordance with the scientific councils of the Agricultural Academy of Sciences, determined by the Higher Attestation Commission of Ukraine, indicate that during this period 2831 Thesis for 28 scientific specialties of VAK, of which 2546 (89,9%) candidate and 285 (10,1%) doctoral dissertations. Of the total number of defended research periods in the research period, the largest number of dissertations (1807 units or 63.8%) were protected in the direction of "Agronomy", of which almost half (867 units or 48%) in the fields of plant breeding and "plant growing". According to the direction of "Zootechnia", this indicator is almost 3.5 times smaller - 523 theses, or 19%, of which 257 theses (49.1%) - in the field of breeding and breeding animals. At the same time, the least theses (about 8%) are protected in the "Forestry" direction. Hence, agriculture as a basic component of the agrarian sector of the Ukrainian economy has substantial scientific support in the part of protected dissertation works in the areas of "Agronomy" and "Zootechniya", in particular in the field of "breeding", and insignificant in the "Forestry" direction.

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Received March 11, 2014.