

Development of general technical training of students on the basis of an integrative-modular approach in teaching the profession "50810101-Technical technologist of agricultural mechanization and service"

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Abstract

50810101-Organizing the transfer of production practice to the technical-technological specialist of agricultural mechanization and service and forming the skills of students, developing the general technical training of students based on an integrative-modular approach, and organizing the process of improving methodological support.

Keywords. Integrative-modular, Agricultural mechanization, service technician, qualification requirements, curriculum and curriculum, theoretical and practical knowledge, machine-tractor units, maintenance, repair, training skills acquired in training practice, competences in production practice.

INTRODUCTION

The requirements of the production of agricultural machinery for the skills of workers and professions correspond to the level of its development in the labor market. Changes in the content and conditions of work tasks should be reflected in the content of educational and normative documents and educational programs of the professional education system. Changes in the content and conditions of work tasks indirectly affect the socio-cultural characteristics of society. The professional education system should be reflected in the content of educational and normative documents and educational programs, educational methods. The professional education system should be implemented taking into account the requirements of employers and the professional needs of the individual. The analysis showed that there are actual problems that need to be solved in the fields of agricultural education. According to the regional location of Uzbekistan, the influence of the human factor in solving the economic problems of the regions should be in the first place. One of the priority goals is to implement measures aimed at improving the personnel composition of agricultural

machinery. In such conditions, the importance of primary professional education should be fully appreciated. Stabilization of the situation in agriculture can be realized only with the strengthening of production and technological processes. In this approach, in particular, mass agricultural professions, which are engaged in the digitization of technological and production processes of the main sectors of agriculture, including the profession of 50810101-Agricultural mechanization and service technician, play a special role. Socially useful human activity that reflects the internal basis of product-related labor functions is the means of labor, the form and organization of labor, and the level of development of the employee's skill, intellect, and creative powers. Working condition is a characteristic of socially beneficial human activity, it reflects the relationship between individual worker and team work and is a social aspect of labor characteristics.

Work tasks and content are interrelated with the content of educational programs. When they change, the content of training also changes, and vice versa, the improvement of the content of training contributes to the growth of working conditions and content.

Labor tasks imply the social characteristics of an employee's work. The study of changes in work tasks allows to determine the requirements for the educational level of professional development. The functional analysis of the labor activity of the digital information processing master allows to determine the composition of his work. Such an analysis shows that the organizational-planning function of management is of great importance. Scientific research, the increase in the capacity of agricultural machinery, the increase in labor productivity in the field of education will ensure a decrease in the need for machines.

Scientific research determines the continuous improvement of the material and technical base, technical re-equipment, modernization of equipment in agriculture. The high speed of digitization and automation may cause problems in the repair and maintenance of labor equipment. The role of mental labor function increases in the labor activity of the master of digital information processing. The structure of the work of the operator of modern agricultural machinery is constantly changing and becoming more complicated.

According to the principle of structure and operation of the driving tractor, equipment and devices, their technical service can achieve high performance in the theoretical and practical work process. For repair work and technical maintenance of machines, the operator learns the mechanical and technological properties of materials used in the production of parts and mechanisms of agricultural machinery (steel, cast iron, non-ferrous metals, etc.), as well as methods of determining these properties and should know the methods of measurement.

In order to check the quality of the specified work and the correct arrangement of mechanisms and assembly units, the operator must know the device of control and measurement tools and the rules for their use. He must be familiar with mechanical drawing, read and apply technical documents when he encounters various technical documents (drawings, process, process and instruction cards, etc.) every day.

Successful participation in agricultural production requires future modern tractor drivers not only to have extensive technical knowledge, but also to use new technologies wisely, to improve planning and labor organization, as well as competently perform and control labor processes.

50810101-Agricultural mechanization and service technician must learn versatile and interrelated knowledge and skills. He needs to learn new equipment. As a result of the introduction of technical innovations, the change of professional functions leads to a change in the volume and level of their training, and the need for the formation of new knowledge and skills. Along with the change of the workplace, the whole conditions of work change. Currently, the responsibility of the worker is increasing. 50810101-Agricultural mechanization and service technician must be able to make quick and correct decisions. His task is to study the experience of the best workers, the latest advances in science and technology. The work of 50810101-Agricultural mechanization and service technician is not a simple exchange of similar repetitive processes, operations, actions. 50810101-Agricultural mechanization and service technician has to work with various equipment and equipment repair and maintenance methods.

Conclusion

The productivity and quality of the work of a technician of agricultural mechanization and service 50810101 depends on many factors and mainly depends on the correct planning of his work process, the use of material resources, the fulfillment of all technical requirements, technical and technological and to prevent the failure of machines and equipment for organizational reasons. It should be distinguished by the flexibility of technical thinking, wait for the prospect of production development, and make decisions based on specific conditions.

50810101-Agricultural mechanization and service technician-technologist has a special place in the work of identifying the causes of malfunctions in the mechanism of machinery and choosing the methods of their elimination. He should not only be able to explain and understand the phenomena observed in the production process, but also to know in advance the consequences of his planned actions. To do this, he must clearly understand the interdependence and interaction of the elements of the complex system-technology-environment system, where a change in one element of

the system leads to a change in other elements of the system. 50810101-Agricultural mechanization and service technicians use every technical and technological measure in the production process to save material and technical means and reduce the cost of products.

50810101-Agricultural mechanization and service technicians, the main condition for successful work is their preparation, compatibility of knowledge, requirements of modern agricultural machinery production, prospects for its development. In the system of professional education, a certain goal of knowledge and skills is still noted with qualification characteristics ("must know", "must have skills"). But for a modern qualified worker, it is important not only to have a set of knowledge and skills, but also to have the competence to implement in practical activities. Therefore, the skill is focused on the professional activity itself.

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