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THE CONSTRUCTION OF MACHINES FOR COLLECTING HERBS AND PREPARATION OF DRY FORAGES IN THE USSR: HISTORICAL ASPECTS

Summary

The author has proved that in the system of feed production machines for picking herbs and preparation of dry food received considerable distribution, improving its technical and economic indicators contributed to the increase of livestock production. The author has outlined the main steps of creating and improving technology for the production of fodder in the USSR in the 20-80-s of the XX century. Characteristics of the influence of socio-economic factors on the development of the system of scientific research on feed preparation, change of directions of design and construction techniques to livestock was given. The research is based on the use of general scientific complex, structural and functional and historical methods

The first machines for the mechanization of production processes such as mowers, harvesters, dryers, straw mainly of foreign origin arrived in Ukraine in the late XIX – early XX century. In connection with the creation of the public sector of animal husbandry and construction of large livestock breeding complexes in 20-40 years of the twentieth century domestic scientists have developed a number of

construction machines for preparation of dry feed. The author found that during this period the operations of mowing, crushing and loading of green mass performed separately. Self-propelled foragers that combined in a single unit several operations have spread in Ukraine from the 50-th XX century. The maximum universalization of the main types of combines, reducing its size modifications to improve the technical and economic performance are tends for 60s of the XX century. The energy-self-propelled forage harvesters were created in 70-80s due to the intensification, specialization and concentration of animal husbandry, transformation feed production in the independent sector of economy.

Key words: *mechanization of animal husbandry, feeding, fodder production, machine systems for livestock.*