

## **INSTITUTIONAL BASICS OF WASTE MANAGEMENT FOR AGRICULTURAL ENTERPRISES**

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Ukraine has a highly developed agricultural sector, in particular crop production, which annually generates a large amount of various wastes and residues. At the same time, the agriculture of Ukraine plays a leading role in ensuring the state's food and energy security through its bioenergy potential. The problem of efficient waste management is global in nature, therefore it should be applied not only to a specific enterprise or production cycle, but also throughout the country. At the same time, the waste of the agro-industrial complex is an attractive raw material for the production of heat and electrical energy, direct use in agriculture, and the production of materials.

According to studies of the total weight of corn grown for grain, about 50% are field waste, about 30% are processing waste, and less than 20% are just grain. When growing rice, a large amount of straw is formed, and threshing of rice gives 20% husk, containing 18% silica, which is difficult to dispose of by burning and therefore does not find any use. By their origin, waste is divided into primary, that is, those that are formed directly during harvest, and secondary - those generated during the processing of the crop in agricultural enterprises. The main instruments to promote the use of waste as a raw material for the production of biofuels in Ukraine are: the provision of customs and tax incentives; the establishment of a "green" tariff for electricity generated from alternative sources (biogas from waste). One of the main limiting factors for the effective management of agricultural waste is the lack of an effective regulatory framework. Directions for improving the regulatory framework in the field of waste management of agricultural enterprises are shown in Fig. 1.

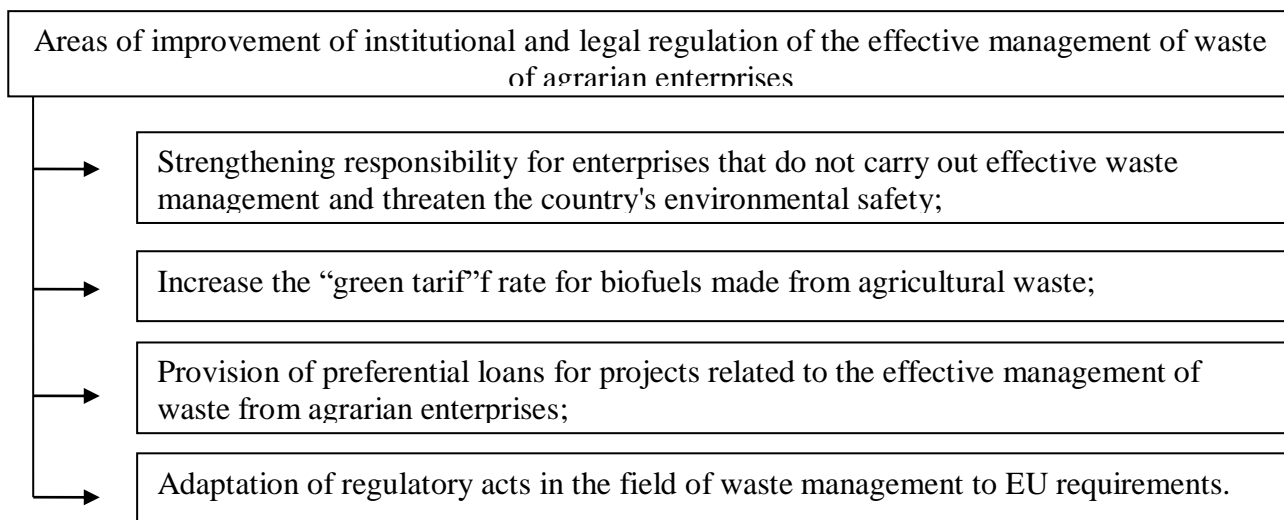


Fig. 1. Areas of improvement of institutional and legal regulation of the effective management of waste from agrarian enterprises

*Source: Formed by the author*

Thus, given that at present, the volumes of waste generated by agricultural enterprises continue to increase, and effective management of these wastes is practically not applied, the application of international law and positive international experience will make it possible to successfully implement projects and programs for waste management and form effective approaches to their management.