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**AGRICULTURAL SECTOR GOVERNMENT REGULATION**  
**IN THE CONTEXT OF UKRAINE'S ENERGY SECURITY**

The article is focused on domestic and global biological energy trends and their impact on the Ukrainian energy sector. Evaluation of the current energy security of Ukraine is explored. The concepts which solve the energy security were highlighted based on experience of biological fuels production in the European Union countries. The necessity of government regulation to modernize Ukraine's agricultural sector was proved aimed to overcome the problems in biological energy branch which will contribute to solving economic, social and environmental problems and achieve national strategic goals. The objective prerequisites of Ukraine's agricultural sector modernization for the energy security formation as one of the major national security factors were revealed. Methodical approaches to the analysis of provision and realization of energy security of Ukraine based on biological energy potential were offered. The analysis of trends in the formation and development of energy security, which determines the structural and quantitative changes in production and consumption of biological fuels, was done.