

MODELING THE INFLUENCE OF FOREIGN INVESTMENTS ON THE DEVELOPMENT OF AGRICULTURAL ENTERPRISES

Today, agricultural production in Ukraine occupies a significant place in the development of the national economy and the country's exports. Agriculture has significant potential for its own development, which remains untapped. However, the acceleration of economic processes in this area requires significant amounts of financial resources, which, in our opinion, are possible using foreign investment. Accordingly, issues of understanding the peculiarities of the impact of foreign investment on agricultural development become relevant, which can be implemented using economic and mathematical modeling methodology.

Economic and mathematical modeling is one of the tools for understanding the patterns of the development of economic processes because of the impact of factors of different nature on them. The outlined type of modeling is also an important method of predicting their functioning in the future.

Accordingly, mathematical modeling of economic processes occurring in agriculture is also important from the standpoint of research in the field of agricultural enterprises. Essence of this modeling is mostly to find algebraic equations of the dependence between different economic indicators. Presence of such models allows us to develop different scenarios for the development of economic processes.

Thus, within the article, modeling of the impact of foreign investment and agricultural production in the country and the efficiency of enterprises in this area is considered. It is established that foreign direct investment in agriculture does not affect the profitability of agricultural producers. However, attracting additional foreign investment, opening new businesses would increase the level of profitability of agricultural production even more, given that in 2017-2018 there was a decrease in this indicator. In fact, the profit of domestic farmers depends on the factors of growing the product itself (climatic conditions, soil fertility, etc.). On the other hand, by implementing already used mechanisms to improve management of enterprises in this area, management can increase productivity, efficiency of the use of available and necessary resources using innovative technologies. This in turn will increase the efficiency of agricultural enterprises and reduce in part the dependence on the climatic conditions of doing business.

Keywords: model; economic and mathematical modeling; foreign investment; agriculture; profitability; agricultural enterprise.

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