

SIMULATION MODEL TO DETERMINE THE OPTIMAL FARMS SIZE IN NE REGION OF ROMANIA

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Abstract

The paper has the purpose to approach a fundamental problem of the Romanian agriculture, that is the one of the intensive development as a result of a new phase of the vertical cooperation process, as well as to elaborate economical-mathematical models, being this a necessity of a optimum dimension of the agricultural holdings, rationalization of production processes, of specific consumes, of the economy of the labor force and the adaptation of the request of the agro-alimentary products on the requirements of the market. Under these circumstances, the project tries to demonstrate the importance of the optimum dimension of the agricultural holdings and the rationalization of the relationship between them along the economic chain, as a result of the coordination and orientation of the decisions regarding the production attained and its capitalization. In the context of nowadays economic situation in the North-East region of Romania, the agricultural holdings need a change of attitude and strategy, in order to obtain a production at European standards, according to the requirements of the market. The analysis of agricultural structures and projection optimal size is a necessity in rural areas of prime importance for the Romanian agriculture, both as a theoretical issue and practical implications of this phenomenon, regarding the current state of agriculture in the NE region and increased plots properties. As a consequence, the resizing of the agricultural holdings, the partnership between the producers, the integration of agricultural production, the rural development, the consumers' constant request for agricultural and food products, the decrease of the deficit of commercial balance for agricultural products, the increase of the population's life standard, the safety of the food, all these are goals that have to be under the continuous attention of the authorities at central and local level.

Key words: optimum dimension of the holdings-farms, economical-mathematical model, rural development
