ЭКОНОМИКА И ОРГАНИЗАЦИЯ СЕЛЬСКОГО ХОЗЯЙСТВА

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РОЛЬ ИНДИКАТИВНОГО ПЛАНИРОВАНИЯ В РАЗВИТИИ МОЛОЧНОПРОДУКТОВОГО ПОДКОМПЛЕКСА

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Выделены основные существенные признаки, ко¬торые необходимо учитывать в практике планирования и управления молочнопродуктовым подкомплексом. Обоснована необходимость моделирования деятельности подкомплекса и функционирования прогнозной системы его хозяйствования, позволяющая определить перспективные результаты при различном соотношении факторов. Для реализации системы планирования молочнопродуктового подкомплекса предложена система экономико-математических моделей и расчетов эконометрического типа.

Ключевые слова: *молочнопродуктовый подкомплекс, индикативное планирование, экономико-математические модели, государственное регулирование, планирование, управление.*

Introduction

Indicative planning is a vital tool for indirect state influence on economic processes, which provides, on the one hand, the optimization of the combination of interests of various market participants, and, on the other hand, policy priorities in the short and long term. Indicative planning can be considered as the coordination mechanism and activities of subjects of control and management.

Using the system of indicative planning in general is done according to the principle: market – as far as possible, plan – as far as necessary. Meanwhile, there are quite a number of variants of the ratio between the market mechanism and planning, including statutory planning procedures, the choice of priorities of the national socio-economic development and mechanisms for their implementation.

Extensive and systematic use of indicative planning in the practice of state regulation necessitates finding the ways of introducing functionally new methods of scientific foresight to the algorithm of planning. One of them is goal-setting of agricultural producers and other participants of market relations, representing one of the stages of planning, allowing to set priorities in the development of agricultural production.

Indicative planning in the conditions of contradictory interests between the state and agricultural producers contributes to the high level of decision-making for the future, makes it possible to smooth these contradictions and develop a plan of development acceptable to all parties.

The research work is aimed at the development of conceptual bases of indicative planning in the management system of dairy product subcomplex, at clarification of its contents, at reasoning the recommendation and orienting indicators necessary to change the strategy of the development of agricultural production in the market conditions.

Objects and methods of the research

The object of study is the process of economic development of dairy product subcomplex. The subject of the research is instrument-methodological tools, algorithms and technologies of indicative planning and the development of medium-term forecasting scenarios of the development of dairy product subcomplex. Instrument-methodological research system is determined by combination of methods for scientific and economic research: dialectical, statistical, typological, inductive and deductive analysis, economic-mathematical modeling, sociological survey, expert evaluation and monographic study. In the process of scientific research the target-oriented and normative approaches to the indicative planning were used.

Results and their discussion

New economic conditions require the application of the principles of planning considering the impact of changes in the internal and external environment, and consideration of the independence of economic entities.

Therefore, a transition to the indicative planning, with a recommendatory nature in relation to the agricultural producers is necessary.

Among the essential features of indicative planning the advisory, optional indicator of the planning documents that orient their function, the voluntary choice character of any proposed solutions

or nonparticipation in scheduled activities, possibility of future registration of indicative planning data with additional agreements, treaties, contracts, or other forms of mutual obligations should be mentioned.

As the main levers of state regulation used in the indicative planning in agriculture, it is proposed to use [2,6,7]:

1. Prices (guaranteed, mortgage, purchasing prices, price premiums).
2. Loan (subsidized, commodity, investment).
3. Budget (budgetary loans, compensation payment, leasing, subsidies, purchase advances to the state fund, financing for government programs).
4. Taxation (taxation benefits, tax differentiation).
5. Insurance.
6. External economic activities (customs duties, export support).

The specific feature that should be considered when designing ways to improve the efficiency of dairy product subcomplex in its indicative planning is that it functions as bio-technical economic system. The development of organizational-economic mechanism of regulation of the subcomplex, including strategic and operational plans at every stage must take into account its main properties that characterize the economic essence of the subcomplex as a system.

The central problem in the development of dairy product subcomplex is the formation and organization of specialized milk-raw material zones. These issues need to be solved through: a) intensive development of central technological link of the subcomplex – dairy cattle-breeding, where the most pressing problem is the increasing impact of genetic and production potential; b) active and guiding role of the dairy industry in the organization of raw material zones and providing the development of raw material sources. In the system of the subcomplex these are the leading complex-forming links where efforts should be focused to raise the entire chain of its production activities.

We need fundamentally new approaches to organization, planning and production technologies in the industry. In particular, to identify opportunities to increase the efficiency of production the system of its factors, their correlation and extent of use should be determined [1,2,3,4,5]. Also the regulation of sectors of the subcomplex should be carried out through a system of target indicators of the sectoral programmes.

We offer development and implementation of the system of indicative planning implemented in 9 stages (Fig. 1):

The authors offer the development and implementation of the system of indicative planning to be implemented in 9 stages (Fig. 1):

This scheme can be implemented on the basis of economic-mathematical models (correlation and regression, optimization), balance methods and direct calculations.

The variety of system-forming factors operating in the subcomplex, absence of mechanism for determining their integrated impact do not allow to consider their role in the solution of specific tasks: it is desirable, but very difficult.

Therefore, under the use of the system analysis there have been revealed two level of approaches: a) with the consideration of a limited range of system-forming factors, but with a fairly high numerical specification; b) with the maximum possible consideration of interactions and a smaller share of the quantitative characteristics. It

Figure 1. The stages of development of indicative planning dairy product subcomplex

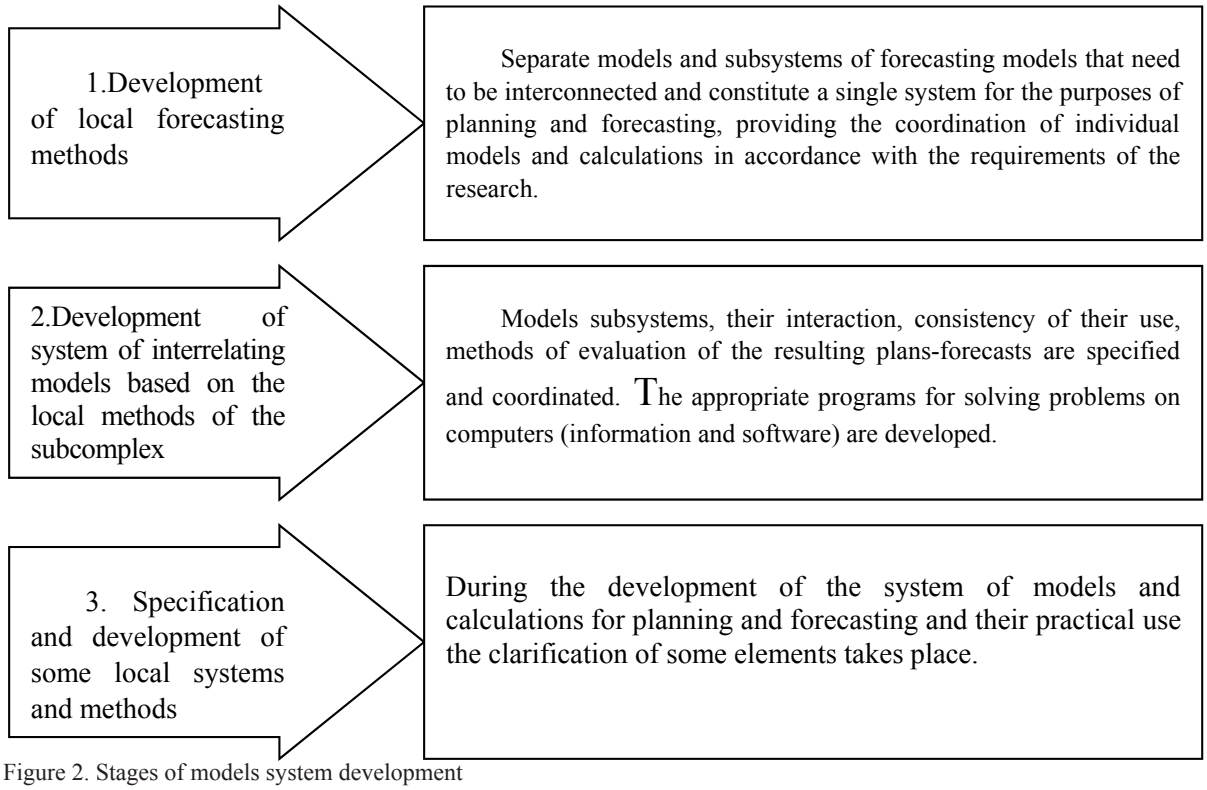

Figure 2. Stages of models system development

should be used mathematical modelling as an effective tool of planning and forecasting that can provide a high degree of validity, timeliness, and accuracy of plans-forecasts. The main content of the process of modeling: constructing models on the basis of a preliminary study of the object or process, highlighting its natural features; theoretical and experimental analysis of the model; comparison of modelling results with actual data about the object or process; adjustment of technical and economic parameters and the structure of the model and its objective functions [2, 6, 7].

The implementation of system of planning of dairy product subcomplex requires a system of economic and mathematical models and econometric calculations based on the use of statistical information of the retrospective character, the assessment of individual variables, their parameters, and formalization of relationships describing basic relationships of elements forming the economic system.

Development of econometric models system and calculations for indicative planning should involve three stages (Fig. 2).

Both separate models and system of planning models, must meet the requirements: to have a clear sequence (algorithm) of forecasts-plans developing with the given character and values of the original information; to take into account multi-factor relations of forecasting processes and parameters; to identify the most sustainable regularities and trends in the analysis of the obtained results, to contribute to the concordance of forecasts-plans, providing their consistency and mutual adjustability.

Conclusions

Thus, an econometric modeling system and calculations of indicative planning dairy product subcomplex can be represented as a set of methods and models to provide a consistent forecast of its development.

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THE ROLE OF INDICATIVE PLANNING IN THE DEVELOPMENT OF DAIRY PRODUCT SUBCOMPLEX

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The article deals with important signs which are necessary to be considered in planning and managing dairy product subcomplex. The authors have reasoned the necessity of modeling the subcomplex operation and work of its forecast management system which helps to identify the promising results obtained under different correlation factors. For the implementation of planning system of the dairy product subcomplex a system of economic-mathematical models and calculations of the econometric type has been proposed.

Keywords: *dairy product subcomplex, indicative planning, economic-mathematical models, state regulation, planning, management.*

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