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FORMATION OF THE FOOD SECURITY STRATEGY OF THE STATE

Abstract. The article proposes a mechanism for developing and implementing a food security strategy of the state, which contains four blocks. The strategic analysis block provides for the formation of an information and analytical framework for the development of a food security strategy. The strategy development block envisages the creation of a draft food security strategy based on the results of strategic analysis in the form of analytical reports, a system of food security indicators. The implementation of the food security strategy ensures that the goals and objectives set out in the strategy are fulfilled by the responsible competent authorities and organizations that control and are responsible for certain components of food security at national and regional levels. The block for monitoring the strategy and adjusting the strategic measures provides for the preparation of analytical reports on the implementation of the strategic goals and measures in accordance with the approved strategic goals and objectives and indicators.

The structure of the state food security strategy as a state document has been developed. The scheme of interaction of state, regional and local bodies of executive power, the Ministry of development of economy, trade and agriculture of Ukraine on ensuring the development and implementation of the state food security strategy is proposed.

Keywords: mechanism of strategy formulation and implementation, food security of the state

Introduction

With the growing openness of the national economy, the problems of ensuring the food security of the state are becoming more and more urgent. In response to new global challenges, it is necessary to form a systematic approach to solving the complex tasks by substantiating the state's food security strategy. This requires a complex combination of efforts of responsible state authorities, agricultural enterprises, citizens and other institutions directly involved in ensuring a stable state of food security of the state.

The strategic priority of forming a competitive national economy is to guarantee food security as a necessary condition for ensuring the health and high standard of living of the population. The relevance of research and substantiation of scientific approaches to the development and implementation of a food security strategy is reinforced by the fact that in the conditions of economic globalization and the strengthening of crisis phenomena, global and national agricultural and food markets are not able to fully resist threats and risks without complex strategic approaches and mechanisms.

An effective food security strategy of the state will allow to create a reliable basis for the sustainable development of reproductive processes of agricultural enterprises and increase the level of food independence. At the same time, the implementation of the strategy and the monitoring of its effectiveness require the improvement of mechanisms, the formation of effective levers and tools for timely response to food security risks and the prevention of threats.

Literature review

Fundamental studies of the methodology of strategic planning are presented in the scientific works of foreign scientists, in particular, I. Ansoff, D. Bryson, K. Bowman, K. Andrews, B. Crosby, A. Strickland, J. Stewart, A. Thompson, A. Chandler and others. They created a scientific and methodological basis for the

development and implementation of strategies for the development of national economies [4, 5].

Ukrainian scientists carried out scientific researches devoted to the fundamental principles and methodological aspects of the formation of strategies for the development of the national economy and the agrarian sector: O. Alimov, V. Geets, B. Danylyshyn, O. Datsii, Ya. Zhalilo, M. Kalinchyk, B. Kvasnyuk, I. Kushnir, A. Lysetskyi, M. Malik, V. Mesel-Veselyak, P. Sabluk, and others [1, 2, 3, 6, 8]. However, scientific approaches to substantiating the strategy of agricultural development in market conditions require deepening and formation of methodology and techniques for creating and implementing the state food security strategy.

A number of regulatory and legal documents have been developed in Ukraine. They fragmentarily cover the issues of food security strategy, in particular, directions of strategic development of the agrarian sector, directions of implementation of the state food policy, ensuring food quality and safety, regulation of food reserves, regulation of agricultural production and agrarian market, assessing the food security trends, ensuring sufficient consumption and economic availability of food for the population [10, 12, 13].

Researches of individual aspects of the state food security strategy were conducted by such domestic economists as O. Hoychuk [7], V. Malygin [8], R. Trynko [11], V. Tregobchuk, O. Shpychak, and others. However, the development of the mechanism of formation and implementation of the food security of the state needs increased attention.

Research objective

The objective of the article is to improve the theoretical and methodological foundations of the formation of the state's food security strategy.

Results

The mechanism of formation and implementation of the state's food security strategy is proposed to be systematized in accordance with four blocks that correspond to the stages of development and implementation of the strategy and

strategic tasks. Each block of the mechanism has its own information and analytical base, on the basis of which the assessment and analysis of current trends and the current situation is carried out in accordance with the tasks of the block, a system of interaction between participants in the process of ensuring food safety. For each block, the necessary measures to achieve the results are designed, the expected results from the implementation of the specified measures and the quantitative and qualitative indicators of their measurement are planned.

The mechanism of forming and implementing a food security strategy includes a block of strategic analysis, a block of strategy development, strategy implementation, a block of strategy monitoring and strategic measures adjustment (Fig. 1).

In the figure, the arrows show the information flows that accompany the process of providing the necessary data for conducting a strategic analysis of trends and the state of food security, the process of information interaction and coordination of actions and functions of participants in the mechanism of formation and implementation of the state's food security strategy.

The block of strategic analysis is preparatory in the development of a strategy. The main tasks of this block are the formation of an information and analytical base for the development of a food security strategy, in particular, an assessment of the trends of food security in accordance with the existing indicator systems, established in the official methodological recommendations of state authorities and management, as well as proposed by scientists. The tasks of strategic analysis also include the assessment of threats to food security based on the results of the assessment of indicators, the identification of opportunities in the external environment, as well as weaknesses and strengths. Solving the specified tasks is possible using the strategic planning methodology, in particular, SWOT analysis, strategic maps, balanced scorecard, and others.

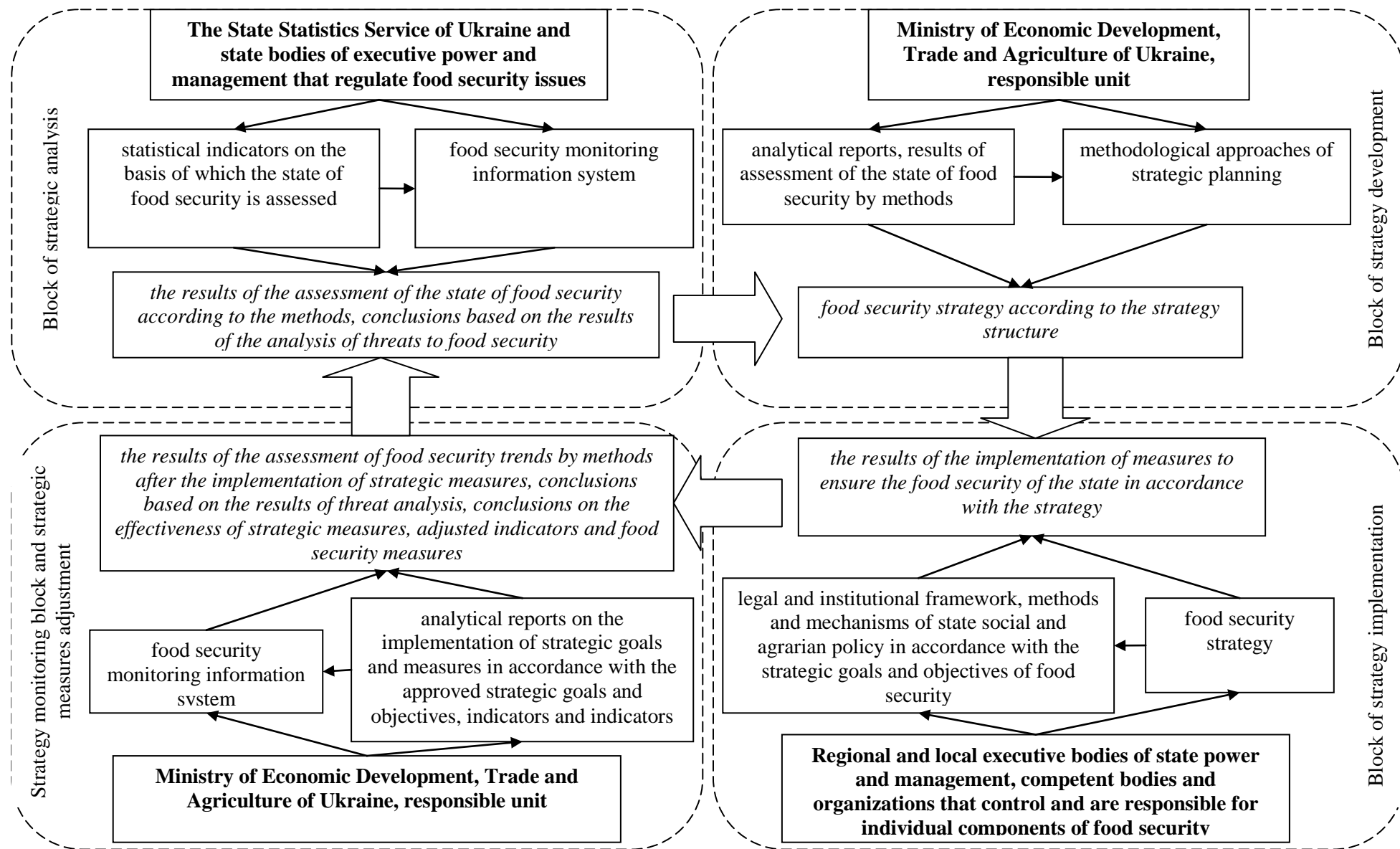


Fig. 1. Mechanism of formation and implementation of the state's food security strategy

Source: developed by the author

Input data for strategic analysis and further justification of the main strategic directions and priorities of ensuring food security are statistical indicators, which are the basis of the assessment of the state of food security. The tool for conducting strategic analysis can be the information system for monitoring food security (hereinafter – the information system), which will allow timely receipt of information for the analysis and assessment of the state of food security and possible threats, the formation of a system of indicators and analytical reports, as well as strategic plans and forecasts. The functions of the information system should be the collection and input of input data, analysis, generation of analytical reports, storage of results and provision of prompt access to information.

The information necessary for assessment and analysis must be provided by the state bodies of executive power and management that regulate issues of guaranteeing food security, as well as the State Statistics Service of Ukraine, upon the relevant requests of the Ministry of Economic Development, Trade and Agriculture of Ukraine (hereinafter – the Ministry).

Consolidation, processing and analysis of information can be performed by the responsible structural divisions of the Ministry. For this purpose, in the structure of the Department of Agriculture of the Ministry, it is possible to create an appropriate department with assigned functions and responsibilities regarding the formation and implementation of a food security strategy, conducting preparatory planning activities, as well as monitoring and controlling the results of the strategy. This department can simultaneously be the operator of the food security monitoring information system. The developer of the technical task for the design of the information system should be the department of development and implementation of the food security strategy, the customer – the Ministry. The development and implementation of the information system can be carried out by the Department of Development of Information and Communication Technologies, Document Management and Electronic Services of the Ministry.

As a result of the strategic analysis, an information and analytical base will be formed regarding the assessment of the food security trends, threats and

opportunities, strengths and weaknesses, conclusions based on the results of the analysis regarding the indicators of food security of the population, resource security and the efficiency of the activities of commodity producers, market intermediaries, trends in the development of the agricultural sector, foreign economic activities in the food sector, quality control systems and food safety. Based on the information and analytical base, it is proposed to develop a forecast and strategy of food security.

The strategy development block provides for the formation of a draft strategy based on the results of strategic analysis in the form of analytical reports, a system of food security indicators, in accordance with the proposed structure (Fig. 2). Strategy development tools according to the proposed mechanism are methodological and methodical approaches to strategic planning at the state level [14].

According to the Procedure for developing regional development strategies and action plans for their implementation, the draft strategy as a planning state document in Ukraine usually contains the main components, the list of which is quite comprehensive and can be used as a basis for developing a food security strategy at the state level [15]. We present the structure of the state food security strategy as a governmental document in Fig. 2.

It is expedient to appoint the Ministry of Economic Development, Trade and Agriculture of Ukraine as the main responsible state body of the executive power and the coordinator of the development process of food security strategy. In its structure, it is proposed to create a department of the development and implementation of food security strategy. In the process of developing a food security strategy, other structural subdivisions of state authorities and management, regional and local administrations should be involved (Fig. 3). Strategic goals, indicators and measures must be agreed at the stage of strategy development with the Directorates of food safety and quality, strategic planning and European integration, and rural development of the Ministry.

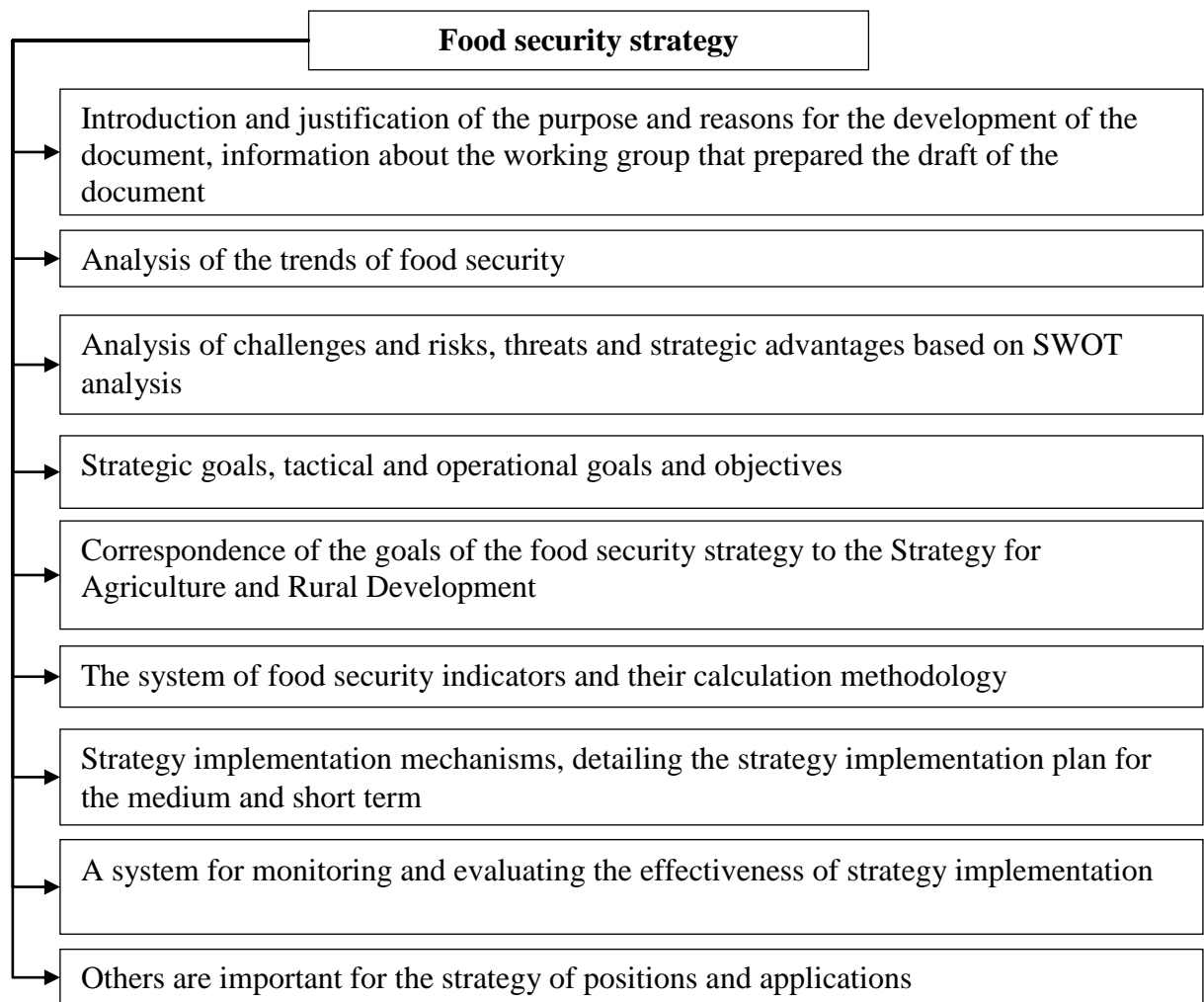


Fig. 2. Structure of the state food security strategy

Source: developed by the author

In order to regulate the interaction of participants in the process of developing a food security strategy, coordination of actions and measures, compliance with deadlines, it is recommended to approve at the legislative level the Procedure for developing a food security strategy, mechanisms for its implementation, tactical and operational measures to ensure food security, monitoring and evaluation of the effectiveness of the strategy implementation.

Departments of agro-industrial development of regional state administrations, in accordance with the specified Procedure, develop regional food security programs based on the state's food security strategy. Functions for the development of these programs and mechanisms for monitoring and controlling

their implementation should be provided in the Regulations on the Departments of Agricultural Development of each regional state administration.

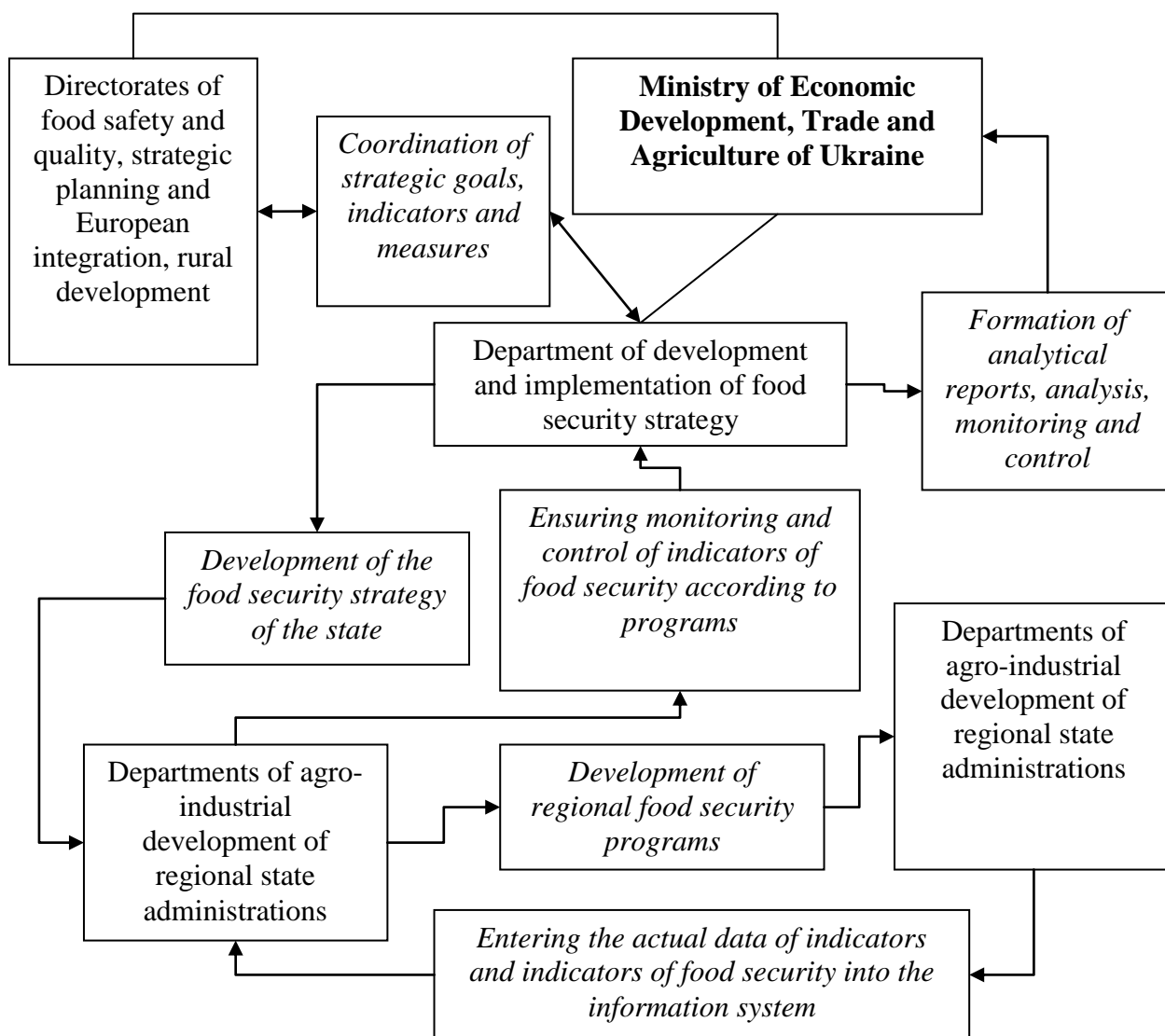


Fig. 3. Scheme of interaction of state, regional and local executive authorities, the Ministry of Economic Development, Trade and Agriculture of Ukraine to ensure the formation and implementation of the state food security strategy

Source: developed by the author

Certain Ukrainian regions have food security programs, for example, Zaporizhzhia and Poltava. Today, some program documents at the level of regions contain only fragmentary tasks of guaranteeing food security, in particular, regional programs for the agricultural development and its sectors, programs for

the development of rural areas, land relations, land use and protection, programs for social development, programs for supporting farmers, development infrastructure. For example, the Program for supporting the agro-industrial complex of the Dnipropetrovsk region in 2017-2021 (from 02.12.2016 No. 120-7/VII, from 19.10.2018 No. 376-14/VII), developed by the Department of Agro-Industrial Development of Regional State Administration. The Program includes the task of guaranteeing the food security of the region, the availability of food products for the population that meet the requirements of quality standards, in volumes not lower than the rational consumption standards necessary for an active, healthy lifestyle.

Regional food security programs should be aimed at the formation and implementation of a regional food security policy, stimulation of the increase in food production volumes by regional enterprises, measures to support local producers, the creation of regional food funds and their rational use, the implementation of social programs for the support of vulnerable segments of the population, the resolution of local problems, related to the development of food supply infrastructure, achieving self-sufficiency of the region with food resources.

On the basis of regional food security programs, the relevant regional state administrations form a set of measures to ensure food security at the local level, and the responsible structural units ensure that the actual data of food security indicators and indicators are entered into the information system for their further consolidation.

The results of monitoring indicators and indicators of the current state of food security in the regions must be entered into the information system in an operational mode in accordance with the developed calendar plan-schedule of monitoring works, which must be placed in the appendix to the state food security strategy.

Departments of agro-industrial development of regional state administrations ensure monitoring and control of indicators and indicators of food security in accordance with regional programs. The department of development and

implementation of food security strategy of the Ministry adjusts strategic measures at the state level based on the monitoring results.

Next, we will consider the food security strategy implementation block. Its main tasks are to ensure the implementation of the goals and tasks specified in the strategy by responsible competent bodies and organizations that control and are responsible for individual components of food security guarantees at the state and regional levels. These include, in particular, PJSC "Agrarian Fund", PJSC "State Food and Grain Corporation of Ukraine", the State Food Reserve, regional food reserves, the State Service of Ukraine on Food Safety and Consumer Protection and others. The main subject of the implementation of the food security strategy at the state level is the Ministry. The main subjects at the regional and local levels are the relevant structural units of regional and district state administrations, which are responsible for the implementation of strategic tasks, the development of regional development programs in accordance with the specifics and strategic priorities of each region, and as well as monitoring and controlling the implementation of measures and fixing results, as well as targets and indicators.

The tools for implementing the strategy are the legal and institutional basis for the formation and implementation of the food security strategy, the methods and mechanisms of the state social and agrarian policy in accordance with the strategic goals and objectives of food security. The result of this block is the implementation of measures to ensure food security of the state in accordance with the strategy.

The final block is the strategy monitoring and adjustment of strategic measures block. Its information support for the performance of tasks is analytical reports on the implementation of strategic goals and measures in accordance with the approved strategic goals and objectives, indicators. The tool for ensuring the fulfillment of the tasks of this block is the food security monitoring information system, which will allow for operational analysis and assessment of the food security trends and timely identification of threats. Based on the system of

indicators and analytical reports, adjustments to the food security strategy, goals, objectives and strategic measures should be provided.

In accordance with the developed mechanism for the formation and implementation of the state food security strategy, monitoring is entrusted to the department of the development and implementation of food security strategy of the Ministry of Economic Development, Trade and Agriculture of Ukraine. It forms appropriate conclusions regarding the effectiveness of strategic measures and proposals for adjusting the food security strategy based on the analytical data of the information system in operational mode.

The results of the block of strategy monitoring and adjustment of strategic measures are reports on the trends of food security according to methods after the implementation of strategic measures, conclusions based on the results of analysis of threats to food security, conclusions on the effectiveness of strategic measures to ensure food security. Based on the specified monitoring results, adjusted food safety indicators and measures should be substantiated.

Conclusions

In modern conditions, it is necessary to form a holistic mechanism for the formation and implementation of a food security strategy. It takes into account the interaction of subjects involved in the process of developing a food security strategy at the state level, information and analytical support for strategic planning, strategic analysis of food security trends, methodological and methodical approaches to the diagnosis and monitoring of internal and external threats, the methodological basis for developing a strategy as a state document, as well as a set of tools and mechanisms of state agrarian policy. A comprehensive solution to the mentioned problems would allow to timely identify the presence of critical crisis situations in the food supply system, apply the appropriate levers and mechanisms and thereby strengthen the state food security.

The mechanism of strategy formation and implementation in the ensuring food security consists of four blocks according to the stages of strategy development and implementation and strategic tasks. Each block has its own

information and analytical base, based on which current trends and the state of food security are evaluated and analyzed in an operational mode. A system of interaction between the participants of the mechanism of formation and provision of food security has been developed. Within each block in the strategy, a set of measures to achieve results should be designed, expected results from the implementation of the specified measures and quantitative and qualitative indicators of their measurement should be planned.

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