



## **SIGNIFICANT ASPECTS OF INDUSTRIAL PROCESSING OF MEAT AND MEAT PRODUCTS**

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**Abstract:** The article presents current issues of reproduction of meat and meat products, which occupy an important place in the industry, and their delivery to the population, as well as the President's strategy for ensuring food security, which must be implemented by 2030, as an important process.

**Key words:** Meat, meat products, processing process, strategy, subcomplex, meat structure, meat network, modern production

## **АКТУАЛЬНЫЕ АСПЕКТЫ ПРОМЫШЛЕННОЙ ПЕРЕРАБОТКИ МЯСА И МЯСНЫХ ПРОДУКТОВ**

**Аннотация:** В статье представлены актуальные вопросы воспроизводства мяса и мясопродуктов, занимающих важное место в отрасли, и их доставки населению, а также стратегия Президента по обеспечению продовольственной безопасности, которую необходимо реализовать до 2030 года, как важную задачу.

**Ключевые слова:** Мясо, мясопродукты, процесс переработки, стратегия, подкомплекс, структура мяса, мясная сеть, современное производство.

## **GO'SHT VA GO'SHT MAHSULOTLARINI SANOAT USULIDA QAYTA ISHLASHNING DOLZARB MASALALARI**

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**Annotatsiya:** Maqolada sanoatda muhim o'rin egallagan go'sht va go'sht mahsulotlarini qayta ishlab chiqarib va aholi iste'moliga yetkazish borasidagi dolzarb masalalar hamda Prezidentimizning 2030-yilgacha amalga oshirilish zarur bo'lgan oziq-ovqat xavfsizligini ta'minlash borasidagi strategiyalari muhim vazifa qilib keltirilgan.

**Kalit so'zlar:** Go'sht, go'sht mahsulotlari, qayta ishlash jarayoni, strategiya, subkompleks, go'sht tuzilmasi, go'sht tarmog'i, zamonaviy ishlab chiqarish.

### **Introduction.**

Modern trends in world development directly determine the nature of the transformation and further development of the national economy. These processes have their own qualitative and quantitative parameters (increasing the level of globalization, competition, increasing the share),

large (monopolistic) business structures, the presence of a high level of risk and uncertainty) and directly affect the socio-economic development of the country. The conceptual aspect of any form of socio-economic management includes such important and urgent issues as ensuring high competitive advantages, maintaining and strengthening security (food, economic, national), achieving a high level of socio-political stability, improving the quality of life and well-being. An effectively organized and systematically monitored food market is considered the most important factor in achieving the set goals. In turn, it is known that the dynamics of its functioning and development trends are closely related to the performance indicators of individual sub-sectors of the agro-industrial complex and are a link in the food industry as a whole.

The development of the above-mentioned sectors of the national economy is precisely the subcomplex of domestic meat products. In the modern conditions of economic management, the industrial sector plays an important role in the process of its formation and consolidation. Given that we all understand that the country's food security is a priority task, meat and meat products are a category of socially significant products, and the level of their consumption directly determines the overall indicator of the quality of life of the population.

The food processing industry is a complex and systematic process that includes several stages. Therefore, the process of processing meat and meat products is also a somewhat consistent and relevant process.

#### **Literature review**

A. Kotarov in his scientific work "Modern methods of developing the meat product complex and integrated approaches to agricultural management" created a modern subcomplex of meat products processing.

Sh. Amirov, Sh. Kurbanova in their article "The state of livestock production in Uzbekistan" analyzed the production of products using foreign experience.

A. Török, Ch. Yeh, D. Menozzi, P. Balogh, in their articles "Consumer preferences for meat processing" noted that processed meat products are a major part of the typical European diet, and noted the mistakes made by workers in the process of packaging, safety, and processing.

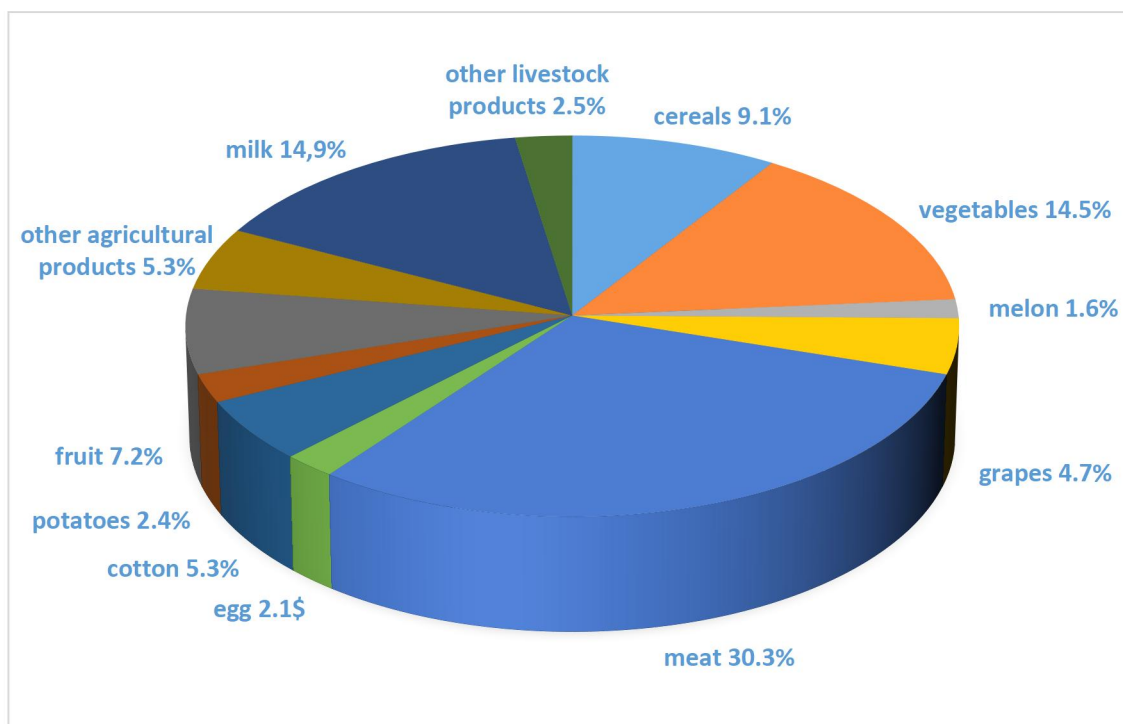
S. Andrew et al. The article "Meat and meat product production strategies" presents meat product production technologies and methods of their use.

#### **Analysis and results.**

The following are examples of current changes in our country and current decrees aimed at ensuring the safety of the meat and meat product processing structure and improving the quality of products. The modernization of the livestock production network, the attraction and increase of private investment and foreign capital flows for large-scale diversification of the industry and its state support, as well as the introduction of mechanisms to increase investment attractiveness, are set as a priority task for our country.<sup>1</sup>

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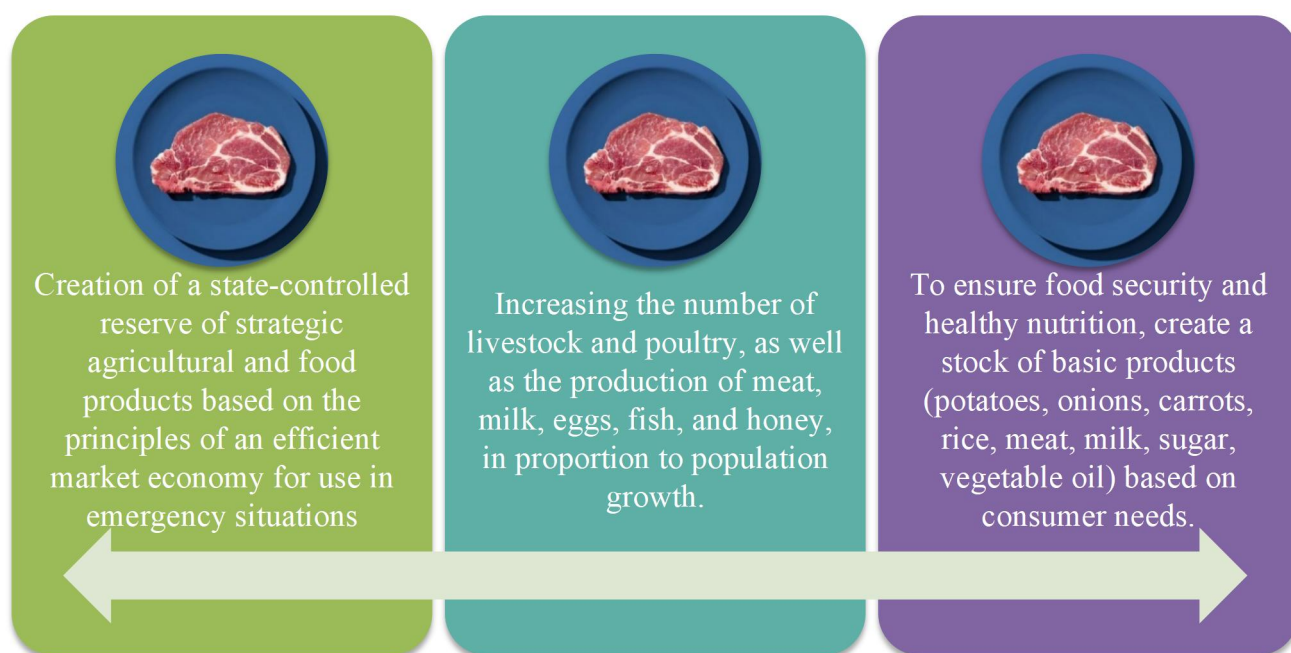
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**Figure 3. Composition of agricultural products in 2024, in %**

When calculating the share of agricultural products, the highest share of livestock products was meat products, which amounted to 30.3 percent. This means that in total it is equal to one third of all agricultural products. Dairy products accounted for 14.9 percent. Eggs showed an indicator above 2 percent, while other livestock products accounted for 2.5 percent. It is known that the highest share of agricultural products, 49.8 percent, belonged to livestock products. In accordance with the Decree of the President of the Republic of Uzbekistan No. PF-36 dated February 16, 2024 "On additional measures to ensure food safety in the republic", the following goals were set to increase the consumption of meat and meat products in the industry and increase the percentage of processing.<sup>2</sup>

<sup>2</sup> <https://www.lex.uz/uz/docs/-6802687>



**Figure 1. Prepared by the author.**

The most important of the above goals is that the growth of the population in the country will lead to an increase in consumer goods, and this significant change will certainly affect processed meat products. In the target indicators of the Strategy for Ensuring Healthy Eating, Full Satisfaction of Population Consumption and Food Security in the Republic of Uzbekistan until 2030, we can see a forecast for the growth of meat storage and processing volumes.

Indicators	Unit of measurement	2023	2024	2025	2026	2028	2030
Meat processing	%	15,1	15,3	15,6	16,1	16,4	16,6

**Table 1. Prepared by the author based on data.**

The data in the table above show that the percentage of meat processing that will be implemented by 2030 will increase to 16.6 percent, while the base year growth rate of 15.6 this year is 15.3 percent, which means that the 5-year analysis shows that consistent work in the field will allow us to create a modern subcomplex that will radically innovate the meat system in the industry.

#### **Conclusion.**

Meat and meat product processing is an activity aimed at satisfying the consumption of the population in this country. The forces mobilized to fulfill this subcomplex without flaws are numerous. If the composition of the processed meat in the country and the technologies used for its production were to operate on a par with developed countries,

- high-pressure processing (HPP): serves to increase food safety
- advanced packaging solutions: important tasks such as extending shelf life and reducing waste
- robotics and automation: serves to increase efficiency and safety
- artificial intelligence (AI) and machine learning: optimize production and reduce costs
- focus on the green economy: reduce waste

We are confident that the optimization and modernization of the processing process, such as The most commonly used categories for the development of the industry are "meat products subcomplex", "meat food sector", "meat subcomplex", "meat processing complex", "meat industry", "meat sector", "meat processing industry", "meat processing sector", etc. We believe that new terms introduced into the industry will modernize this industry.

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