

Improving quality and efficiency on the basis of production resources in cattle breeding

Bahodirjon Nosirov, Elyorbek Nurmatov

Andijan Institute of Agriculture and Agrotechnologies, Uzbekistan

Email: bahodirjonn@gmail.com

Resume. The production process of livestock products consists of clear, significantly different, and therefore strongly interrelated stages, which requires the creation and coordination of a comprehensive system of factors for the effective development of this industry. This field is interrelated, which embodies the technical, technological, biological, organizational, economic, social, political and legal directions of scientific and technical development, serves to increase the efficiency and quality of production of livestock products at various stages of the production process. And will have a tendency to develop as a result of the influence of important factors and their rational use.

Key words: cattle breeding, livestock, Uzbekistan, quality, efficiency, production resources, factors

It is known that the development of any branch or sector of the society's economy is carried out based on a set of measures developed in various directions, including organizational, structural, administrative, economic, financial, and legal mechanisms and their improvement. In this process, there are many situations, such as the specific characteristics of a particular branch or industry, the principles of organization, the quality and size of the required resources, the degree of interdependence and harmony of the factors that affect the efficiency of their use. consideration has important scientific and practical value. Therefore, in Uzbekistan the goal of the reforms in agriculture is primarily to increase the efficiency of the agro-industrial complex and, in particular, the agricultural sector, as well as the weight of the production of food products and raw materials, on the basis of socio-economic and organizational measures, to increase the export potential of the sector, is expressed in directions such as improving the living conditions of the rural population. Therefore, in the conditions of liberalization and modernization of the economy, researching the scientific-theoretical foundations of sustainable development of the agro-industrial sector, including the livestock sector, and improving the organizational-economic mechanisms are of priority.

Organizational factors that include improving the breeding of animals in livestock farms, forming and increasing groups of animals of each breed, strengthening the supply of fodder and developing the system of zoo-veterinary services; economic and legal factors consisting of existing mutual production - contractual - financial relations in the system of production, preparation, processing and sale of livestock products; environmental factors caused by deterioration of the composition and quality of food crops as a result of increased salinity of land and water resources; inadequate application of technical-technological activities, including intensive development of the industry at the expense of mechanization of production and reduction of manual labor; urgent issues such as the incomplete use of social factors, including the consumption system, and the sharp deterioration of the supply of livestock with natural fodder are emerging.

The organizational and economic mechanism of livestock development consists mainly of organizational, economic, technological and legal structure elements that are used directly and indirectly in the process of managing the network, and it needs to solve two interrelated problems. Firstly, it is required to produce and sell livestock products in the required volume, and secondly, to create conditions for efficient operation of economic entities and high income.

In the process of improving the organizational and economic mechanism of effective development of cattle breeding on the basis of quality products, priority should be given to eliminating the following problems in the future:

- development of the infrastructure of the cattle breeding network, effective management of the market of food, raw materials and agricultural products in a harmonious manner within the framework of mutually beneficial relations;
- organization of breeding work at the level of modern requirements;

- placement and specialization of the network based on the natural climate and soil conditions of the regions;
- creating conditions for agricultural producers to freely enter foreign food markets with their consumer goods and to export them and provide appropriate benefits;
- effective use of the elements of the economic mechanism that creates the possibility of expanded reproduction in the network and achieving the level of profitability;
- development and implementation of investment projects for modernization and diversification of activities of livestock production entities based on innovative techniques and technologies;
- Provision of information resources on best practices of foreign countries related to animal husbandry, including cattle breeding development, improvement of product quality and cost reduction, organization of foreign trips for qualification improvement.

In order to develop the livestock industry, improve the quality of meat and dairy products, reduce costs, and increase the efficiency of the industry, first of all, special attention should be paid to the measures to fully provide it with all relevant factors and resources. At the same time, it is appropriate to recognize that there are a number of tasks that cannot be postponed and are waiting for their solution now and in the near future. Among them, first of all, it is necessary to place the network and diversify its activities in accordance with the regional natural and climatic conditions, to build large dairy and dairy complexes, to expand the possibility of their innovative development, including modern, including foreign advanced scientific and technical achievements, introduction of waste-free nanotechnologies, expansion of the range of finished livestock consumer products on the basis of increasing processing capacity, finding sources and channels for their export, development of roadmaps for step-by-step solutions to problems such as their effective use can be included.

The production process of livestock products consists of clear, significantly different, and therefore strongly interrelated stages, which requires the creation and coordination of a comprehensive system of factors for the effective development of this industry. This field is interrelated, which embodies the technical, technological, biological, organizational, economic, social, political and legal directions of scientific and technical development, serves to increase the efficiency and quality of production of livestock products at various stages of the production process. And will have a tendency to develop as a result of the influence of important factors and their rational use.

In general, in the case of farms, it is necessary to focus on solving the following important tasks related to the development of the livestock sector at the national level: the main basis for the sustainable development of livestock networks, including the cattle industry, is the creation of a feed base and its direct dependence on the structural enrichment of rations. Therefore, first of all, to increase the level of their satiety and digestion by placing feed crops in agricultural farms within the framework of a scientifically based crop rotation system in order to form internal feed resources, increasing their productivity, feeding cattle on scientific-based rations, improving the quality of feed and enriching them with nutrients, building industrialized new enterprises producing, it is necessary to pay attention to such as providing qualified technical personnel.

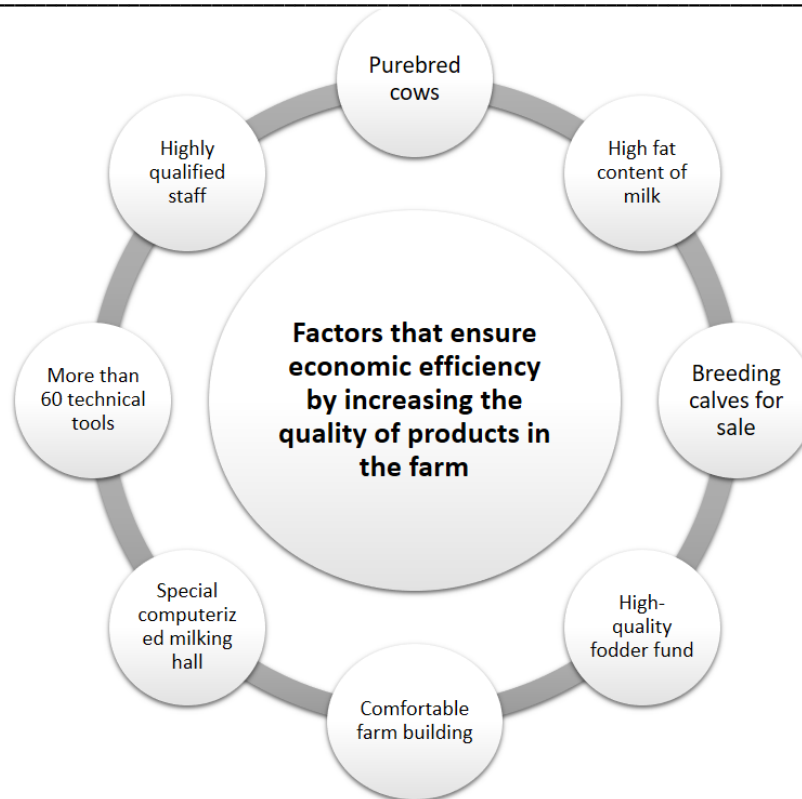


Figure 1. Factors that ensure economic efficiency by improving the quality of products on the farm

In the near future (2-3 years) in Uzbekistan and its regions, deepening and accelerating structural-organizational reforms covering the strategy of innovative development of the livestock sector, including the cattle industry, its stages, conceptual foundations and directions, financing of this process it is necessary to develop road maps aimed at identifying sources and institutions, including finding and attracting foreign investors who invest directly in this sector, introducing a system of additional benefits for them and improving the methods and mechanisms.

In order to effectively develop the livestock sector based on quality products, the main focus is on measures for the rational use of all important factors that embody and interconnect natural-climatic, bio-ecological, technical-technological, organizational-economic, socio-legal directions focus is necessary.

Due to the increase in the number of heads of large-horned cattle, the proportion of breeding, high-yielding cattle brought from foreign countries increases from year to year, and this event is laying the groundwork for the development of the cattle industry due to an intensive factor, i.e. increased productivity, a stable increase in the production of quality meat and dairy products.

On the basis of private entrepreneurship in regions with large rural centers and developed livestock, attention should be paid to conducting auctions specializing in the sale of mixed feed, coarse cartilage and other types of feed, pedigree goods, to the organization and development of branches specializing in zooveterinary and breeding work, aviary and other types of services.

Due to the relatively low income of livestock farms in our country, it is advisable to organize the application of mechanisms to stimulate the state financing of researches in the areas of breeding, fodder farming, production of necessary techniques and technologies for the livestock network, as well as the rapid implementation into production.

Because of the potential of natural and economic resources for the development of livestock sectors in the Republic and the production of quality environmentally friendly livestock products, it is necessary to look at the export of livestock products as one of the most influential mechanisms in the future for state support and promotion.

Due to the potential of natural and economic resources for the development of livestock industries and the production of high-quality ecologically clean livestock products in Uzbekistan, it is necessary to consider state support and encouragement of the export of livestock products as one of the effective mechanisms in the

future.

References:

1. Nosirov B.Z. Peculiarities of formation and development of the regional food market (on example of Andijan region. Abstract of the diss. for PhD. T.: SISM, 2004.
2. Юрий Наумов, Игорь Пугач. Проблемы и перспективы развития животноводства в Узбекистане. Discussion paper. 2019. #188. Leibniz Institute of Agricultural Development in Transition Economies (IAMO).
3. Ю.Б.Юсупов. Ц.Лерман, А.С.Чертовицкий, О.М.Акбаров. Ўзбекистонда чорвачилик: бугунги ҳолат, муаммолар ва тараққиёт истикболлари. Аграр секторни ривожлантириш тенденциялари нуқтаи назаридан таҳлил. БМТ Тараққиёт дастури, Ўзбекистон Тошкент 2010.
4. Nosirov B., Mirzakarimov M. Features of development of milk production in Uzbekistan. The scientific heritage. No 91 (2022) p.32-35. ISSN 9215-0365. DOI: 10.5281/zenodo.6695687.
5. Nosirov B. Some problems of development of livestock industry. Science and education in agriculture. Volume 1, Issue 2. 2022. <https://www.seagc.andqjai.uz>
6. Nosirov B.Z., Ergashev A.A., Islamova D.T. Development prospects of food markets in Andijan province // THEORIA: педагогика, экономика, право. 2020. №1 (1). URL: <https://theoria.apni.ru/article/17-development-prospects-of-food-markets>
7. Sangirova U., Nosirov B., Rahmonova B. Properties and potential of walnut growing in Uzbekistan. JournalNX - A Multidisciplinary Peer Reviewed Journal, Volume 6, Issue 5, Page No. 140-146. ISSN 2581-4230, <https://journalnx.com/papers/20150963-potential-of-walnut.pdf>
8. Nosirov B., Rahmonova B., Islamova D., Yoqubov Sh. The role of increasing the economic efficiency of potato production in food supply of the population of Uzbekistan. Journal of Xi'an University of Architecture & Technology. Volume XIII, Issue 5, 2021. P. 560-567. ISSN: 1006-7930. <https://www.xajzkjdx.cn/gallery/58-may2021.pdf>
9. Nosirov B., Rakhmonova B. Organization of production of walnuts in an industrial volumes. International online conference ECLSS Economics and Social sciences. Proceeding book. June 28-29, 2020. Istanbul, Turkey. P. 59-67. <http://eclss.org/publicationsfordoi/istanbulonline.pdf>
10. B.Nosirov, Sh.Abdullaev, H.Yuldasheva. Relevance of development of multiple-profile farms. International journal for innovative Engineering and Management Research (IJIEMR). 2021. Volume 10, Issue 03, Pages: 516-521. ISSN 2456-5083. <https://ijiemr.org/public/uploads/paper/638741617019191.pdf>
11. B.Nosirov. Features of development of livestock industry in the field of food security. Sustainable agriculture. 3(15).2022. p.17-20. <http://sa.tiame.uz/en/page/arxiv>
12. B.Nosirov. Basis for the development of the regional food market. ACADEMICIA: An International Multidisciplinary Research Journal. Volume 1(11), 2021. p.65-71.
13. Sangirova U., Nosirov B., Rahmonova B. Organization of walnut production based on the industrial method in Uzbekistan. Sustainable agriculture. 2(6).2020. p.24-26. <http://sa.tiame.uz/en/page/arxiv>
14. B.Nosirov, A.Raximov. Development of wholesale food markets.American Journal of Science and Learning for Development. Volume 2, No 1. Jan-2023. P. 47-50. ISSN: 2835-2157. <http://inter-publishing.com/index.php/AJSLD/article/view/898>
15. B.Nosirov, A.Abdurashidov. Development of elements of food markets.Web of scientist: International scientific research journal. ISSN: 2776-0979. Volume 4, Issue 3, 2023. P. 881-886. <https://wos.academiascience.org/index.php/wos/article/view/3544/3398>
16. Nosirov B., Nurmatov E. Features of the organization of livestock production in an intensive way.// Web of scientist: International scientific research journal. ISSN: 2776-0979. Volume 4, Issue 8, 2023. P. 84-93. <https://wos.academiascience.org/index.php/wos/article/view/4304>
17. Nosirov B. Chorva naslchiligida iqtisodiy samaradorlikni oshirish yo'llari. //Qishloq xo'jaligida resurs tejoyvchi innovatsion texnologiyalardan samarali foydalanishning ilmiy-amaliy asoslari. AQXAI. 27-28oktabr, 2023. 242-245-b.