

PROSPECTS FOR THE DEVELOPMENT OF AQUACULTURE IN THE REPUBLIC OF UZBEKISTAN

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The article describes the prospects for the development of aquaculture in our country. The fishing industry is one of the strategic areas of ensuring the country's food security. The fish farming industry of Uzbekistan is developing intensively, new technologies are being actively introduced into production. Building capacity in this segment of the agricultural sector and gradually saturating the domestic market with this useful and nutritious product contributes to increasing the level of food security of our state.

Key words: aquaculture, fish farming, products, fisheries.

Fish and many seafood are an important component of a complete human diet. Fish is a necessary and healthy product, an excellent source of protein and essential micronutrients. The Food and Agriculture Organization of the United Nations (FAO) report "The State of World Fisheries and Aquaculture" provides data that today there are 20.5 kg of fish products per inhabitant of the planet. By 2030, the total global production of fish and fishery products will reach 204 million tonnes and on average each person will consume 21.5 kg of fish per year [2].

These measures are being implemented on the basis of a meeting held by the President of the Republic of Uzbekistan Shavkat Mirziyoyev on December 20, 2021. The meeting discussed measures to ensure food security, develop the fishing industry and improve the efficiency of cooperative fish farming as one of the most important areas of work in this area.

Currently, the Republic of Uzbekistan pays special attention to the development of the fishing industry and the expansion of fish production. Measures have been taken to further improve research work in the field of fish farming, training and retraining personnel and increasing the export potential of the fishing industry [4].

For the first time in 2020, the Branch of the Astrakhan State Technical University was opened in the Tashkent region, the direction "Aquatic Bioresources and Aquaculture" was opened, where students are taught such subjects as: ichthyology, ichthyopathology, biological foundations of fish farming, methods of fisheries research, hydrobiology. Young specialists are trained for work in the field of fisheries [3].

In Uzbekistan, mainly river fish, such as carp and catfish, are consumed. According to experts, fish is useful for cardiovascular diseases, increased blood cholesterol levels, anemia, fatigue and physical exertion, neurosis, skin diseases, gout and rheumatism, and decreased vision. As a result of the consumption of fish dishes in children, diseases such as caries, hair loss, and thyroid enlargement are prevented.

In terms of nutritional and culinary qualities, fish is not inferior to meat, and in terms of ease of digestion, it even surpasses it, which is one of the most significant

advantages of the product. Fish contains from 13 to 23% of proteins and from 0.1 to 33% of fats, the value of which is especially high, since they are easily digested, - nutritionist Ekaterina Ivanova told RIA Novosti. Oct. 2021.

Fish contains many times more vitamin A than meat. It also includes water-soluble vitamins: C, B₁, B₂, B₆, B₁₂, H and PP, the nutritionist noted. In addition, the product contains a lot of mineral elements necessary for the human body, among which phosphorus, calcium, potassium, sodium, magnesium, and sulfur prevail. There are also iron, copper, manganese, cobalt, zinc, molybdenum, iodine, bromine, fluorine. Due to the presence of a large amount of vitamins D and group B, Omega-3 fatty acids and selenium, fish is able to improve the functioning of the central nervous system.

There are about 50 thousand hectares of artificial and 547 thousand hectares of natural reservoirs in the republic. In total, more than 4 thousand fish farms operate in the fishing industry.

The fishing industry is one of the strategic areas of ensuring the country's food security. The fish farming industry of Uzbekistan is developing intensively, new technologies are being actively introduced into production [1].

Building capacity in this segment of the agricultural sector and gradually saturating the domestic market with this useful and nutritious product contributes to increasing the level of food security of our state.

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