

BIOLOGICAL AND TECHNICAL CLASSIFICATION OF FISHERY RESERVOIRS IN THE CONDITIONS OF OUR REPUBLIC

Toreshova Amina Ubbiniyazovna C.A.S. PhD

Samarkand State University of Veterinary Medicine, Animal Husbandry and Biotechnology

Koshenova Ugilkhan Kurbanbaevna

Nukus branch, 2nd year student of animal engineering

Annotation: This article provides information on the acceleration and improvement of pond fish farming, reproduction and breeding based on the development and widespread introduction of feeding fish with natural and artificial nutrients.

Key words: soft food, ammophos, selection, insulator, profitability.

The relevance of the work. According to the Decree of the President of the Republic of Uzbekistan dated November 6, 2018 No. DP-4005 on additional measures for the further development of the fishing industry, fisheries development processes are carried out by growing mother fish, fish fry, as well as a non-productive fish hatchery, laboratory, intensive fish farming, fishing , equipment, instruments, mechanisms and spare parts for them necessary for processing, freezing and storing fish products, equipment for alternative energy supply, special equipment for reclamation work and vehicles transporting live fish;

- a list of soft feed and mineral fertilizers (ammophos) imported from abroad for the needs of the fish industry by foreign organizations and their branches, company stores, dealer networks and business entities established in the prescribed manner, are exempt from customs duties (except for value added taxes and customs fees).
- internal channel, land reclamation and dredging works in areas of artificial reservoirs of fish farms, own funds of fish farms;
- it is assumed that the work on the reclamation of all collectors and drains will be carried out at the expense of the Fund for the Improvement of Irrigated Land Reclamation under the Cabinet of Ministers.

At the same time, it was noted that the lease agreement, which gives the right to use areas of natural reservoirs, will be concluded between the governments of the regions and the fishery enterprises that won the competition for a period of at least 10 years.

The rational use of fish stocks in the reservoirs of our republic and the introduction of natural and artificial feeding to increase fish productivity is one of the **urgent problems** of the economic development of the national economy of the country. Therefore, when solving this problem, the current state of existing reservoirs is associated with the study of the ecological characteristics of fish and the conduct of in-depth

scientific research to increase their productivity.

Purpose and task of the work. Acceleration and improvement of pond fish farming, reproduction and breeding based on the development and widespread introduction of feeding fish with natural and artificial nutrients.

All technical, economic and economic issues of pond fishing will be organized and, in accordance with the purpose, the following basic system will be observed: among them there should be pond fishing in a holistic system, fish hatcheries, amateur fishing ponds and ponds of breeding selective fishing.

In full system pond fisheries it is mainly the rearing and breeding of cyprinids and other fish species from hatching to commercial ownership and in some cases to sexual maturity.

Cyprinids and their hybrids must achieve a minimum standard growth rate of live weight of 500 g for two years in any ecological and geographical zones.

In such an integral system of pond fishing, in addition to commercial fish, a flock of queens and juvenile remontant fish are raised together.

In spring, before spawning, producers are transplanted from the broodstock into spawning ponds. In full-system farms, cyprinid and herbivorous fish are also grown in recreational ponds after the end of the winter season.

Ponds in the complete system are distributed in the usual order: 1) raised pond - the first after the dam, then 2) village pond, 3) breeding pond, 4) spawning pond, 5) recreational pond is selected depending on the location of the site. The quarantine (isolation) pond is arranged in the lower part of the farm so that the dirty water discharged from the pond does not fall into the other ponds mentioned above.

Pond fishing in such an integral system pays more than 90-90% of attention to spawning ponds. Because last year and year-old fish material from fish ponds is preserved in the pond.

In the production process, the main task of farms in an integral system is the correct organization of production in spawning ponds and the cultivation of fish of the current year. In autumn, the fish of this year are transferred to the age pools of the village pond, and after leaving the village in the spring they are considered yearlings and distributed to recreational ponds (other fishing ponds). The main (85-90%) area of these fish farms falls on the area of spawning ponds.

At present, in improved fish farms, juvenile fish (larvae and fry) are grown and cared for, special fish breeding workshops and pond complexes for intensive cleaning are being built.

Object of study. A recirculating water supply unit (RAS) with a capacity of erecting 200 tons of fish per year has been fully commissioned by “Karakalpak Fisheries” LLC. Our company is mainly specialized in carp fish breeding. To date, the following equipment and machinery has been brought from China for credit funds. They brought a workshop for the production of chickens and chicken compound feed, a workshop for cleaning, smoking and cutting fish, a fish storage and a fish storage (refrigerator), as well as special equipment needed in the fish industry. A complex for the production of fodder for an additional 5,000 tons per year is ready, but now, with the entry of mineral fertilizers into the fodder, full-scale fodder production will become possible. In addition, it is fully equipped with 2.5 tons of fish processing and 1,000 tons of refrigerated trucks. For the convenience of the workers, a kitchen, a washroom, separate disinfection rooms and changing rooms were built.

Farm performance indicators

In total, 1,000 kg of products were sold at Karakalpak Fishery Complex LLC in 2021. 1 kg of the product is sold for 40,000 soums. The cost of the goods sold is 40.0 million soums. The total cost of production

amounted to 33,000,000 soums. Net profit amounted to 7,000,000 soums. The price of 1 kg of fish is 40,000 soums. The profitability of the farm was in %.

Table 1. Farm performance indicators

Indicators	Unit of measurement	Quantity
Total cost	thousand soums	33 000
Income from product sales	mln soums	40,0
Received net profit	mln soums	7,0
The cost of selling 1 kg of product	thousand soums	40,0
Cost of 1 kg of product	thousand soums	33,0
Degree of profitability	%	21,2

Conclusion. Ensuring year-round water supply in farms engaged in pond fishing.

Improving the mineral status of ponds, feeding with mineral fertilizers and rearing fish in separate ponds.

Organization of ponds on an area of 10-12 hectares or less.

Organization and control of fish farming in ponds where there are natural reservoirs.

In farms engaged in pond fishing, the area of ponds is required from 2 to 10 hectares. The reason is that they will be easy to manage and supply them with water.

If cage farming of fish is organized in farms engaged in fishing in natural reservoirs, the productivity of fish will be high, and secondly, they will be easy to control.

List of used literature

1. Nosirov B., Rakhmonova B., Yakubov Sh. Development of fish processing business with the introduction of innovations and technologies. Management of innovative development of agro-food systems at the national and regional levels. Material of the II International Scientific and Practical Conference October 29-30, 2020 Part I. Voronezh. pp. 172-177. ISBN: 978-5-7267-1158-4
2. B. Nosirov, B. Rakhmonova. Ways to improve the organizational and economic foundations of walnut production in Uzbekistan. Journal "Innovations in Economics". No. 10 (2020). pp. 173-181. ISSN 2181-9491. <http://dx.doi.org/10.26739/2181-9491-2020-10-23>
3. Nosirov B., Ergashev A., Islamova D. Development prospects of food markets in Andijan province. THEORIA: pedagogika, ekonomika, pravo. 2020. №1 (1). <https://theoria.apni.ru/article/17-development-prospects-of-food-markets>.

Internet saytlar

1. <http://zoohistory.ru>
2. <http://www.ebio.ru>
3. <http://www.seaworld.org/animal>
4. <http://www.zin.ru>