

## INFLUENCE OF SOME BIOECOLOGICAL INDICATORS OF WATER ON FISH ORGANISM

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**Annotation:** This in the article artificial water basins fish to the organism some bioecological factors: pools right build pH in water and oxygen amount of water temperature, fish given of food composition , aerators and right installation pool of water exchange , introduction output about information statement reported.

**Keywords:** pH, pool , oxygen , temperature , feed , aerator, carp , white humpback whale , white amur, geographical location.

**Introduction.** Next years village of the farm all areas , especially fishing in the field wide scale reforms instead being increased . In particular , Uzbekistan Republic Presidential Decree №. PQ-2939 of May 1, 2017 “ Fisheries network management system improvement measures №. PQ -405 of November 6, 2018, “on Fisheries field more to develop additional measures №. PQ-4816 of August 29 , 2020 “ On Fisheries network using support and his efficiency increase measures about ” decisions fishing to develop and population ecological clean fish products with to provide focused important tasks setting was given .

Our Republic of the population food security provide , that is including quality fish products functional remove size multiply on a how much software measures acceptance was made . In the Republic fishing network development , fish products functional release modern and innovative methods current reached without sizes increase regulation hit on a series law documents acceptance their execution quality provide measures seen .

Current of the industry development with a in a row fish diseases against fight , prevent get and sick fish veterinary sanitation expertise transfer on take being carried out research work do big theoretical and practical importance profession reaches

Of the population food products which was demand in satisfaction only his quantity pointer only not their health provider quality The indicator is also separate attention is given . This current issues in the solution fish and fish products place big . Human meat products at the expense of acceptance do 18-20 percent of proteins in the water living organisms , mainly to the fish right is coming .

Fish meat contains other animals meat contained in all nutritious substances there is which was without them man organisms by digestion degree is high . Fish meat and especially oil contains vitamin D. being very rich enough degree consumption did Ca and P metabolism in the body normally save costs \_ Young in children common rickets of old age received taken , sick when in treatment important importance has From this except food for invalid fish and fish again performance enterprises from waste to be prepared fish him , the village farm animals and birds ration full value provider valuable additional feed is

**The pool prepare right formed reach** Artificial water in the basins fish feed to himself specific norm and rules will be . We are this regulations amal so if we work economic and to the fish given from food many part saves . First of all basins soil good ( sandy, rocky lack of need ) water outgoing and incoming places slope so be at least 2.5 m condition and pool tui with bulldozer flattened and pulled . Basin in unwanted and outgoing connector will be a ditch ( drainage ) .

Large size basins water when opened of water all part out basin complete drying and basin in technique with performance opportunity to be need \_ Everyone \_ basin February up to a month dried under the cow dung sprinkled place drove , break and barana so if water at the bottom mollusks and parasites eggs

neutralize is achieved . And nutritional creatures - benthos good development for conditions is created . That's it then from March from ( air temperature note obtained case ) water take water feltirdan skip pools fertilize in this case , water when the temperature exceeds  $17^{\circ}\text{C}$ . then ammofos melt to him ot manure adding suspension so sprinkled . 50 kg of ammophos per basin melted at 20 kg manure added all water a boat with sprinkle will be displayed . Ammophos is added and a per hectare a 150 kg of ammophos per year sprinkle possible . In fishing a are not used set off put phytoplankton developing in the basin natural feed base Create need \_ Phytoplankton ( a cellular plants group ) good in water \_ photosynthesis at the expense of oxygen amount phytoplankton \_\_ with edible zooplankton ( a cellular animals ) also evolve begins .

Then this plankton with edible small crustaceans ( daphnia , cyclops , arrhythmia ) develop . It works right set off cyclops \_\_ and big shrimp ( shrimp ) too good develops . From this apparently stands for natural feed base at the expense of feed fodder by 50 percent to save and fish cost reduce achieve possible .

Body temperature of fish water temperature relatively  $0.5-1.0^{\circ}\text{C}$  higher when we take will be . Water temperature attitude according to fish warm-hearted and cold-blooded will be . Hot loves fish West and South width fish carpsimonons family representatives ( carp , sturgeon , grass carp ) for comfortable optimum temperature  $16-30^{\circ}\text{C}$ . Freeze lover fish basically north regions encountered , they for convenient temperature  $+10 + 20^{\circ}\text{C}$  to these salmon ( salmon , foril , radish , ) . Of water smell - quality defines water usually odorless will be . Different \_ industry and village farm waste with damaged water , waste content specific special has will be this odors fish to the body after his muscles and other bodies adsorption will be .

**Water clarity fish to life effect** \_ Fish in life in the pool of water clarity important importance has \_ Of water clarity his contained in there is of bodies water on the surface how much see in depth appearance border understood . Of water clarity diameter 30 cm which was discs to water unloading then last invisible the rest to the point which was interval distance with measured . Of water clarity degree his contained in organic and inorganic of substances and small plants and of animals a lot or in small quantities availability depending on . In late autumn and winter season of water clarity degree spring and summer months relatively clear will be . Because spring of water reproduction , summer showers water to the basin many organic and inorganic bodies flow take arrival due to this seasons a cellular water of herbs and invertebrate of animals development observed . To the pools many amount mud and sand grains flow coming , in it fito and zooplankton to the death of fish breath take difficulty and their nutrition worsening cause will be . Of water rotten and die the rest of animals small grains with pollution in the basin hydrochemical condition worsens .

**Water contained in gases fish to life effect** \_ Of water high atmosphere to the air hold surface nitrogen , oxygen and carbonate anhydride to himself absorbs and dissolves . It 's melted gases of water traps layer enter go there \_ plants in the body important role plays . This plants while in the pools living fish in life important importance profession reaches \_ So, water contained in gases directly or indirectly fish to the organism effect does . Water contained in dissolved oxygen amount his temperature depending on . Water temperature decline with oxygen solubility increases and on the contrary . Atmosphere pressure rise with and oxygen \_ solubility increases . Of water salinity degree how much high if the kilo solubility so much decreases . Of water contained in dissolved oxygen amount from him going biochemical processes with directly is related . From this in addition to photosynthesis of the process The intensity is also water contained in dissolved oxygen amount effect does . Water herbs of the day during light \_ in the water carbonate anhydrite swallowing oxygen \_ separates . At night on the contrary , from water oxygen swallowing carbonate \_ anhydrite separates . In the water pass and animals of the dead rot as a result water contained in oxygen their disintegration is spent and amount partially decreased . Of fish breath get in the process in the water dissolved oxygen , their oppression small through the capillaries devoir to the blood absorbed . Blood contained in oxygen yours all members and cells delivery , in them disintegration , recovery processes provides \_

**The pH of the water fish to the organism effect** \_ pH mark from Latin obtained ( pondus Hydrogen ) hydrogen weight meaning indicates \_ This indicator is the pH of the water to receive if we in the water free hydrogen ions ( $\text{H}^+$ ) hydroxide ions ( $\text{OH}^+$ ) relatively amount defines \_ For example in the water dissolved hydrogen inons ( $\text{H}^+$ ) hydroxide ions ( $\text{OH}^+$ ) relatively a lot if water \_ acidic to react has will be . If the reverse if water alkaline to react has will be . Of water neutral ( medium ) indicator to 7 if less than 7 water acidic to the side will change . Us pH indicator in our pool fall then basin calcareous and pH indicator to the

norm is given . If the pH value rising colony ( chloride ) or vinegar from acid we use But we have Uzbekistan pH indicator under conditions down fall goes and lime with pH \_ carry we can pH in detection litmus from paper we use us scientific Our work “Samarkand region artificial water basins carp fish cestodes distribution , biology and to them ecological factors effect ” \_ take we are going In this we are Akdarya , Narpay , Pakhtachi , Kattakurgan districts artificial fishing farms scientific research step by step to be continued being brought .

**Conclusion .** Our Republic conditions grown all kind of fish healthy The normal growth of care and development provide , variety contagious, non-infectious and invasion from diseases protection to do necessary for \_ zoohygienic veterinary-sanitary measures and bioecological environment attention get we consider it necessary .

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