

CONFERENCE ARTICLE

AGRO BUSINESS GOLDEN FISH FISHING COMPANY IN ARNASOY DISTRICT, JIZAKH REGION

Kamolova Shohsanam

PhD Student Jizzakh state pedagogical university, Uzbekistan

Kamolov Jahongir

Teacher Jizzakh branch of Kazan Federal University, Uzbekistan

ABSTRACT

In the article we conducted research Information is provided about algae detected in the reservoir of the " Agro Business Golden Fish " fishery in the Arnasoy district of the Jizzakh region ..

KEYWORDS

Jizzakh region, algology, Cyanophyta, Chrysophyta, Basillariophyta, Euglenophyta, Chlorophyta, division, algae, class, order, family, genus, diatoms.

INTRODUCTION

Seaweed is one of the most amazing and useful products found in nature. Since seaweed is very rich in unique nutrients, it has a wide range of beneficial properties. The chemical composition of seaweed is very similar to human blood plasma, so seaweed has the ability to purify the blood and balance its balance. Seaweed contains 10 times more calcium than milk and 8 times more than meat.

Microscopic algae are also found in water bodies, which, in addition to being a source of oxygen in the water, are also an indispensable food for aquatic animals. Among the microscopic algae are phytoplankton, algae, fish fry It is the main food for fish, so in fish farms, attention is paid to the large surface area of the water body, direct sunlight and good heating of the water surface. This ensures the rapid development of phytoplankton in the water. Freshly hatched fry feed on phytoplankton rich in protein, fat, carbohydrates and microelements and develop rapidly.

Inventory of algal flora is an important task, since the ecosystems

of water bodies are very sensitive to climate change, physical and geographical conditions, as well as the consequences of human economic activity. By studying the flora of algae in water bodies, it is possible to assess the ecological sanitary state of the basin, as well as predict its future state. Qualitative and quantitative study of algal communities is a key stage that opens up opportunities for further work. Algae, which are the creators of organic matter in the self-purification of water and the formation of water quality, are of great importance, they actively participate in water purification and provide water with dissolved oxygen. They participate in the periodic movement of substances in the hydroecosystem, in the food chain, and have a significant impact on the vital activity of aquatic hydrobionts.

Agro business golden fish " fishery in Arnasoy district, Jizzakh region, 89 species and varieties of algae of the departments 21 Cyanophyta, 4 Chrysophyta, 49 Basillariophyta, 10 Euglenophyta, and 5 Chlorophyta were identified, consisting of 7 classes, 8 orders, 19 families, and 33 genera (Table 1).

Table 1

Systematic analysis of the algal flora of the Arnasoy district " Agro business golden fish " fishery

Class	Order	Family	Category	Species and species
Cyanophyta				
<i>Chroocophyceae</i>	<i>Chroococcales</i> Geitler.	<i>Merismopediaceae</i> Elenk.	1	5
		<i>Microcystidaceae</i> Elenk.	1	2
		<i>Gloeocapsaceae</i> Elenk. et Hollerb.	1	3
		<i>Coelosphaeriaceae</i> List.	1	1
<i>Hormogoniophyceae</i>	<i>Oscillatoriales</i> List.	<i>Oscillatoriaceae</i> (Kirchn.) Elenk.	3	10
Total: 2	2	5	7	21

Chrysophyta				
<i>Chrysomonadineae</i>	<i>Chromulinadales</i>	<i>Euchromulinaceae</i> Pasch.	2	3
		<i>Mallomonadaceae</i> Pasch.	1	1
Total: 1	1	2	3	4
Bacillariophyta				
<i>Centrophyceae</i>	<i>Discoidaceae</i>	<i>Coscinodiscaceae</i> Kuetz.	1	4
<i>Pennatophyceae</i>	<i>Araphinales</i> Schutt.	<i>Fragilariaceae</i> (Kuetz) DT	3	4
		<i>Eunotiaceae</i> Kuetz.	1	1
	<i>Raphinales</i>	<i>Achnantheaceae</i> (Kuetz) Grun.	2	4
		<i>Naviculaceae</i> West.	7	28
		<i>Epithemiaceae</i> Hust.	1	1
		<i>Nitzschiaceae</i> Hass.	1	5
		<i>Surirellaceae</i> (Kuetz.) Grun.	2	2
Total: 2	3	8	18	49
Euglenophyta				
<i>Euglenophyceae</i>	<i>Euglenales</i>	<i>Euglenaceae</i> Klebs.	1	9
		<i>Astasiaceae</i> Klebs.	1	1
Total: 1	1	2	2	10
Chlorophyta				
<i>Chlorococcophyceae</i>	<i>Chlorococcales</i>	<i>Hudrodictyaceae</i> SF Gray-Dumortier Orth. Mut. Mohn.	2	2
		<i>Scenedesmaceae</i> Oltmans.	1	3
Total: 1	1	2	3	5
7	8	19	33	89

Basillariophyta leads in the number and diversity of species in the algal flora of the Arnasay district " Agro business golden fish " fishery. 49 species and varieties of the division of Basillariophyta have been identified, which consist of 2 classes, 3 orders, 8 families, 18 genera, and account for 55.06% of the total number of species. The next place is occupied by the division of Cyanophyta , which consists of 17 species and 4 forms, accounting for 23.59%, and the third place is occupied by the division of Euglenophyta , which accounts for 11.24% of the total number of species.

Oscillatoria Vouch of Chrysophyta section . (7.86%), Merismopedia (Meyen.) Elenk. Emend. (5.61%), Navicula Bory . (11.23%), Amphora Ehr. (6.74%), Cymbella Ag. (6.74%), Euglena Ehr . (10.11%) of the Euglenophyta division, Scenedesmus Meyen. (3.37%) of the Chlorophyta division lead in terms of species richness among the genera of their divisions. Fisheries In terms of algal flora of the agricultural water basin , the first place is occupied by the Navicula Bory. (11.23%) of the Basillariophyta department , the second place is occupied by the Euglena Ehr. (10.11%) of the Euglenophyta department, and the third place is occupied by the Oscillatoria Vauch. (7.86%) of the Chrysophyta department .

Coelosphaerium (Nag.) Elenk from at least 1 species. sensu novo mut., Spirulina Turp., Chromulina Cienk., Mallomonas Perty., Opephora Petit,P., Fragilaria Lyngb., Peronia Breb. et Arn., Cocconeis Ehr., Diatomella Grev., Pinnularia Ehr., Denticula Kuetz., Surirella Turp., Campylodiscus Ehr., Cyclidiopsis Korsch., Pediastrum Meyen., Tetrahedron Kuetz. consists of categories.

Among the classes, the most numerous species are the species of the class Pennatophyceae of the division Basillariophyta , accounting for 50.56% . Among the orders, the algae of this division are the species of the order Raphinales, which accounts for 46.07%.

Thus, as a result of algological studies, 89 species and varieties of algae of the departments 21 Cyanophyta, 4 Chrysophyta, 49 Basillariophyta, 10 Euglenophyta, and 5 Chlorophyta were identified in the water basin of the "Buron Savdo" fishery in the Arnasay district of the Jizzakh region, which consist of 7 classes, 8 orders, 19 families, and 33 genera . It was determined that the

Basillariophyta department leads in the number and diversity of species in the algal flora of the water basin .

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