

RESEARCH ON THE POSSIBILITIES OF ORGANIC FISH FARMING IN BLACK SEA REGION

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This study was performed at Artvin, Rize, Trabzon, Gümüşhane, Bayburt, Giresun and ve Ordu provinces in the Black Sea Region.

Having the capacities higher than 3 tons/year and registered fresh water trout fish farms were observed organic aquaculture point of view.

It was observed that an important lack of knowledge on organic production of fish in the sector. According to the research results, it was found out that 33% of the fish farmers hear about organic agriculture. Only 4% of fish farmers are aware of organic aquaculture. There is no recording system used in most of the farms (91%).

In comparison to others, Gümüşhane, Artvin and Rize (high regions), where are far from the pollution sources, have considerably high potential for organic aquaculture.

Some farm owners stated that their farms were under the risk of pesticides and fertilizers used in hazelnut agriculture. Especially fertilization period of hazelnut some fish mortalities occur in their facilities. Also, some farms located at the coastal zone, have been affected by the rivers in terms of increasing water temperature, turbidity and some kind of pollutants. The intensity of diseases in their farms somewhat higher than that of farms at other locations.

During the field surveys, water analysis of the potentially candidate farms were done and the results were compared with the characteristics of water resources of many certification bodies in the world. As a result, the characteristics of the water used in the most of the observed farms were found sufficiently qualified.

