



PRESS RELEASE

AQUACULTURE SURVEY: 2019

The Hellenic Statistical Authority (ELSTAT) announces the results of the Survey on Aquaculture for the reference year 2019.

A. QUANTITY AND VALUE OF REARED OR CULTIVATED SPECIES

In 2019 compared with 2018, total production of aquaculture reared – cultivated species, in Greece, decreased by 2.8% and the corresponding value decreased by 5.2%. More specifically, 128,701.8 tonnes with a total value of 508,259.1 thousand euros were farmed in 2019, while 132,385.3 tonnes of fish with a total value of 536,182.7 thousand euro were farmed in 2018 (Table 1).

Table 1. Quantity and value of reared or cultivated species, 2018 – 2019

Quantity in tonnes, value in thousand euros

Reared / Cultivated species	2018 ⁽¹⁾		2019		Change (%) 2019/2018	
	Quantity	Value	Quantity	Value	Quantity	Value
Grand Total	132,385.3	536,182.7	128,701.8	508,259.1	-2.8	-5.2
Fish	110,165.3	526,575.6	104,861.1	497,209.5	-4.8	-5.6
Flathead grey mullet	344.9	550.7	250.9	561.4	-27.3	1.9
European seabass	46,910.8	238,896.0	41,236.8	200,944.7	-12.1	-15.9
Shi drum	114.9	622.2	85.6	438.6	-25.5	-29.5
Sheepshead bream	55.0	341.7	34.3	382.4	-37.5	11.9
Trout	2,126.5	6,768.4	1,897.9	6,332.6	-10.7	-6.4
Gilthead seabream	56,203.1	251,118.5	55,452.0	252,864.2	-1.3	0.7
Red porgy	2,202.2	14,925.6	2,927.7	19,456.3	32.9	30.4
Eel	391.0	2,740.1	385.4	2,634.4	-1.4	-3.9
Other fish	1,817.1	10,612.4	2,590.5	13,595.0	42.6	28.1
Molluscs / Crustaceans	22,088.0	8,218.9	23,696.7	9,600.6	7.3	16.8
Mussels	21,915.9	7,743.0	23,497.5	9,131.8	7.2	17.9
Other	172.1	475.9	199.1	468.8	15.7	-1.5
Aquatic plants – Seaweeds	129.9	1,309.1	142.3	1,386.1	9.5	5.9
Spirulina	129.9	1,309.1	142.3	1,386.1	9.5	5.9
Fish eggs	2.1	79.0	1.7	62.9	-17.7	-20.4
Flathead grey mullet	2.1	79.0	1.7	62.9	-17.7	-20.4

(1) Revised and final data

Note: Any discrepancies in the sums and percentages are due to rounding.

The changes in the quantity and value of the reared or cultivated species, **by main group**, in Greece total, as presented in Table 1 and Graph 1, are as follows:

- **Fish:** in 2019 compared with 2018, the quantity and the corresponding value decreased by 4.8% and 5.6% respectively. More specifically, 104,861.1 tonnes of fish with a total value of 497,209.5 thousand euro were farmed in 2019, while 110,165.3 tonnes of fish with a total value of 526,575.6 thousand euro were farmed in 2018.

Information on methodological issues:

Agriculture, Livestock, Fishery and Environment Statistics Division
Agriculture, Livestock and Fishery Statistics Section
S. Spyroulis, C. Moniaki
Tel: +30 213 135 2050, +30 213 135 2457
Fax: +30 213 135 2474
e-mail: s.spyroulis@statistics.gr, c.moniaki.gr@statistics.gr

Information for data provision:

Tel. +30 213 135 2022, 2308
e-mail: data.dissem@statistics.gr

- **Molluscs and Crustaceans:** in 2019 compared with 2018, the quantity and the corresponding value increased by 7.3% and 16.8% respectively. More specifically, 23,696.7 tonnes of molluscs – crustaceans with a total value of 9,600.6 thousand euro were farmed in 2019 and 22,088.0 tonnes with a total value of 8,218.9 thousand euro in 2018.
- **Aquatic plants – Seaweeds:** in 2019 compared with 2018, the quantity and the corresponding value increased by 9.5% and 5.9% respectively. More specifically, 142.3 tonnes of aquatic plants – seaweeds with a total value of 1,386.1 thousand euro were farmed in 2019 and 129.9 tonnes with a total value of 1,309.1 thousand euro in 2018.
- **Fish eggs:** in 2019 compared with 2018, the quantity and the corresponding value decreased by 17.7% and 20.4% respectively. More specifically, 1.7 tonnes of fish eggs with a total value of 62.9 thousand euro were farmed in 2019 and 2.1 tonnes with a total value of 79.0 thousand euro in 2018.

Graph 1: Quantity and value change (%) of reared – cultivated group species, 2018 – 2019



The changes in the quantity and value of the farmed or cultivated fish species, **by type of water**, as presented in Table 2, are as follows:

- **Fresh water:** in 2019 compared with 2018, fish quantity and corresponding value decreased by 8.4% and 4.2% respectively. More specifically, 2,425.0 tonnes of fish with a total value of 10,294.8 thousand euro were farmed in 2019 and 2,646.1 tonnes of fish with a total value of 10,742.0 thousand euro in 2018.
- **Brackish water:** in 2019 compared with 2018, fish quantity and corresponding value decreased by 23.9% and 16.4% respectively. More specifically, 656.1 tonnes of fish with a total value of 1,964.7 thousand euro were farmed in 2019 and 862.5 tonnes of fish with a total value 2,349.9 thousand euro in 2018.
- **Sea water:** in 2019 compared with 2018, fish quantity and corresponding value decreased by 2.5% and 5.2% respectively. More specifically, 125,620.7 tonnes of fish with a total value of 495,999.7 thousand euro were farmed in 2019 and 128,876.8 tonnes of fish with a total value of 523,090.9 thousand euro in 2018.

Table 2. Quantity and value of aquaculture production, by type of water, 2018 – 2019

Quantity in tonnes, value in thousand euros

Water Type	2018 ⁽¹⁾		2019		Change (%) 2019/2018	
	Quantity	Value	Quantity	Value	Quantity	Value
Fresh	2,646.1	10,742.0	2,425.0	10,294.8	-8.4	-4.2
Brackish	862.5	2,349.9	656.1	1,964.7	-23.9	-16.4
Sea	128,876.8	523,090.9	125,620.7	495,999.7	-2.5	-5.2

(1) Revised and final data

B. PRODUCTION OF FISH LARVA IN HATCHERIES AND NURSERIES

The changes in the produced quantity of fish larva, **by species** in Greece (total), as presented in Table 3 and Graph 2, are as follows:

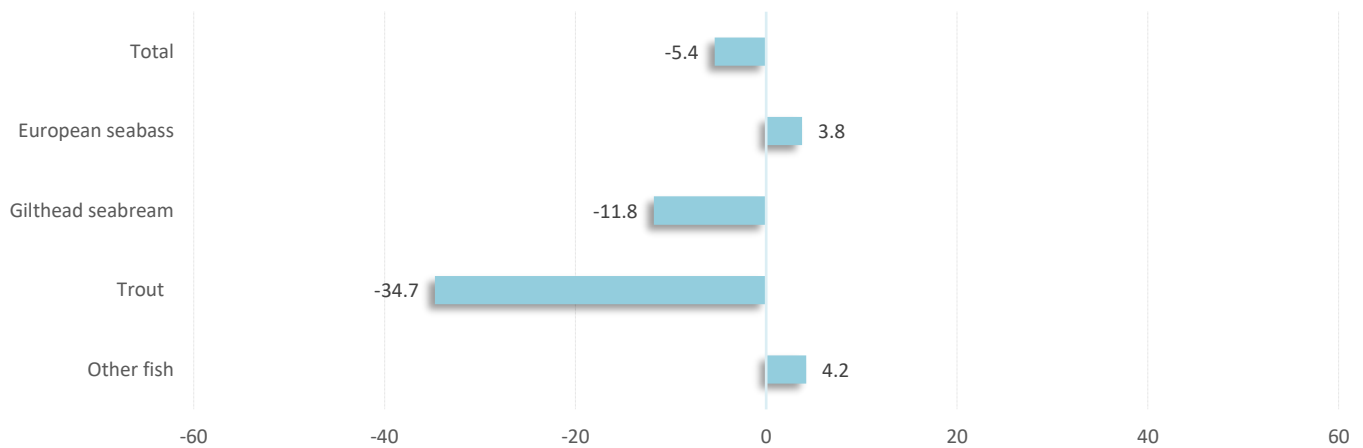
- **Overall production of fish larva:** total quantity of fish larva decreased by 5.4% in 2019 compared with 2018. More specifically, fish larva amounted to 414,851 thousand juveniles in 2019 and 438,592 thousand juveniles in 2018.

Regarding the production of fish larva by main species:

- **European seabass:** the quantity of larva increased by 3.8% in 2019 compared with 2018. More specifically, european seabass larva amounted to 182,909 thousand juveniles in 2019 and 176,264 thousand juveniles in 2018.
- **Gilthead seabream:** the quantity of larva decreased by 11.8 % in 2019 compared with 2018. More specifically, gilthead sea bream larva amounted to 208,470 thousand juveniles in 2019 and 236,315 thousand juveniles in 2018.
- **Trout:** the quantity of larva decreased by 34.7 % in 2019 compared with 2018. More specifically, gilthead sea bream larva amounted to 6,094 thousand juveniles in 2019 and 9,334 thousand juveniles in 2018.
- **Other fish:** the quantity of larva increased by 4.2 % in 2019 compared with 2018. More specifically, gilthead sea bream larva amounted to 17,378 thousand juveniles in 2019 and 16,679 thousand juveniles in 2018.

Table 3. Production of fish larva in hatcheries and nurseries, by species, 2018 – 2019*In thousand juveniles*

	2018 ⁽¹⁾	2019	Change (%) 2019/2018
Total	438,592	414,851	-5.4
European seabass	176,264	182,909	3.8
Gilthead seabream	236,315	208,470	-11.8
Trout	9,334	6,094	-34.7
Other fish	16,679	17,378	4.2

*(1) Revised and final data***Graph 2. Percentage change (%) of fish larva production in hatcheries and nurseries, by species, 2018 – 2019****C. EMPLOYED PERSONS BY TYPE OF EMPLOYMENT RELATIONSHIP**

The changes in the total annual employment as presented in Table 4, are as follows:

- The **total** number of employed persons decreased by 3.0% in 2019 compared with 2018. More specifically, the total number of employees amounted to 4,160 in 2019 and 4,287 in 2018.

More specifically, the changes in employment, by type of employment relationship, are as follows:

- **Permanent staff** decreased by 1.3% in 2019 compared with 2018. More specifically, permanent employees amounted to 3,674 in 2019 and 3,721 in 2018.
- **Temporary staff** decreased by 14.1% in 2019 compared with 2018. More specifically, temporary employees amounted to 486 in 2019 and 566 in 2018.

Table 4. Number of employed persons in aquaculture units, 2018 – 2019

	2018 ⁽¹⁾	2019	Change (%) 2019/2018
Total	4,287	4,160	-3.0
Permanent staff	3,721	3,674	-1.3
Temporary staff	566	486	-14.1

(1) Revised and final data

EXPLANATORY NOTES

Survey on aquaculture The Hellenic Statistical Authority has been conducting on an annual basis, since 1995, a statistical survey on Aquaculture.

Purpose The main purpose of the Survey on Aquaculture is to compile data on the cultivation methods, production and value of the cultivated species by cultivation method, production of fish larva in hatcheries/nurseries and on the number of employees.

Legal basis Regulation (EC) 762/2008 of the European Parliament and of the Council of 9 July 2008 on the submission by Member States of statistics on aquaculture and repealing Council Regulation (EC) No 788/96

Reference period The survey data refer to the year 2019.

Survey Methodology and Definitions

1. The survey is a census survey and it covers all the aquaculture units operating in Greece.
2. The statistical unit of the survey on aquaculture is the enterprise activated in the rearing or cultivation of aquatic organisms (fish, mollusks, crustaceans and aquatic plants) under controlled breeding and rearing environment, aiming at achieving the largest production in the most efficient and economical manner.
3. Rearing/culture is every form of intervention in the growing procedure aiming at reinforcing production (e.g. renewal of stock, food, protection from natural enemies, etc.)
4. The farming / cultivation can be performed in freshwater, brackish water and seawater.

References More information, such as tables, samples of questionnaires, etc. on Survey on Aquaculture are available at <http://www.statistics.gr/en/statistics/-/publication/SPA06/>