



PRESS RELEASE

AQUACULTURE SURVEY: 2020

The Hellenic Statistical Authority (ELSTAT) announces the results of the Survey on Aquaculture for the reference year 2020.

A. QUANTITY AND VALUE OF REARED OR CULTIVATED SPECIES

In 2020 compared with 2019, total production of aquaculture reared – cultivated species, in Greece, increased by 3.4% and the corresponding value increased by 10.0%. More specifically, 133,168.2 tonnes with a total value of 558,808.1 thousand euros were farmed in 2020, while 128,783.7 tonnes of fish with a total value of 508,141.2 thousand euro were farmed in 2019 (Table 1).

Table 1. Quantity and value of reared or cultivated species, 2019 – 2020

Quantity in tonnes, value in thousand euros

Reared / Cultivated species	2019 ⁽¹⁾		2020		Change (%) 2020/2019	
	Quantity	Value	Quantity	Value	Quantity	Value
Grand Total	128,783.7	508,141.2	133,168.2	558,808.1	3.4	10.0
Fish	104,944.0	497,114.2	112,914.7	550,635.3	7.6	10.8
Flathead grey mullet	250.9	561.4	311.9	736.4	24.3	31.2
Meagre	2,392.3	13,147.3	3,426.6	17,597.3	43.2	33.8
European sea bass	41,252.0	200,465.7	41,173.2	209,254.9	-0.2	4.4
Rainbow trout	1,897.9	6,332.6	1,935.7	6,268.7	2.0	-1.0
Gilthead seabream	55,531.1	253,108.0	62,269.9	289,810.5	12.1	14.5
Red porgy	2,938.8	19,547.2	3,032.7	22,939.8	3.2	17.4
Eel	385.4	2,634.4	370.2	2,532.3	-3.9	-3.9
Other fish	295.5	1,317.6	394.4	1,495.4	33.4	13.5
Molluscs / Crustaceans	23,695.7	9,597.5	20,119.9	6,817.0	-15.1	-29.0
Mussels	23,497.5	9,131.8	19,964.5	6,461.3	-15.0	-29.2
Other Molluscs / Crustaceans	198.1	465.7	155.4	355.6	-21.6	-23.6
Aquatic plants – Seaweeds	142.3	1,366.6	132.5	1,311.0	-6.9	-4.1
Spirulina	142.3	1,366.6	132.5	1,311.0	-6.9	-4.1
Fish eggs	1.7	62.9	1.2	44.8	-30.9	-28.8

(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 2020 compared with 2019, the quantity and the corresponding value increased by 7.6% and 10.8% respectively. More specifically, 112,914.7 tonnes of fish with a total value of 550,635.3 thousand euro were farmed in 2020, while 104,944.0 tonnes of fish with a total value of 497,114.2 thousand euro were farmed in 2019.

Information on methodological issues:

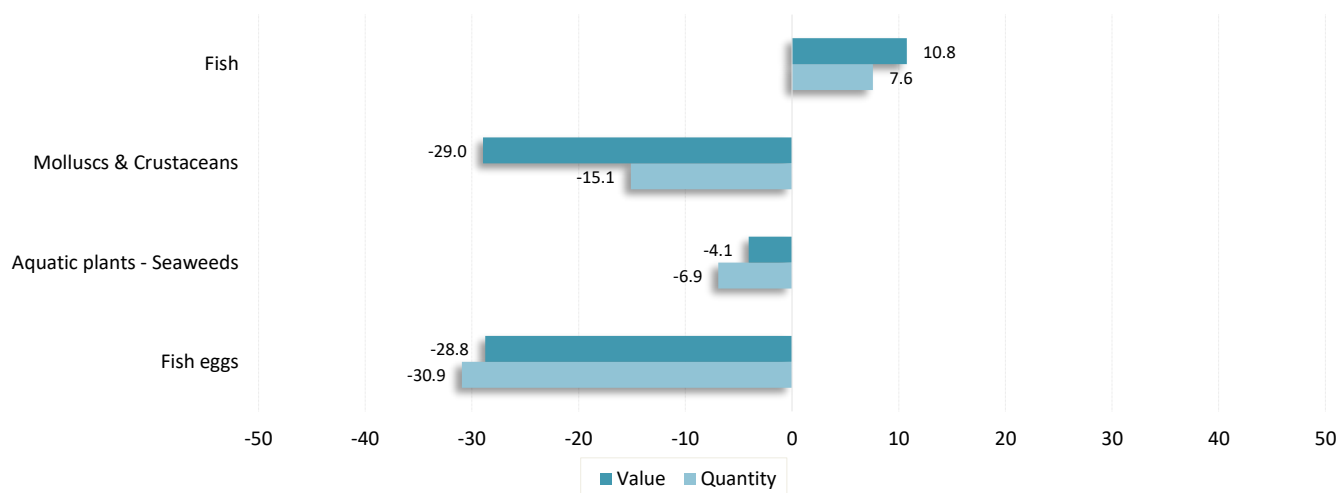
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- **Molluscs and Crustaceans:** in 2020 compared with 2019, the quantity and the corresponding value decreased by 15.1% and 29.0% respectively. More specifically, 20,119.9 tonnes of molluscs – crustaceans with a total value of 6,817.0 thousand euro were farmed in 2020 and 23,695.7 tonnes with a total value of 9,597.5 thousand euro in 2019.
- **Aquatic plants – Seaweeds:** in 2020 compared with 2019, the quantity and the corresponding value decreased by 6.9% and 4.1% respectively. More specifically, 132.5 tonnes of aquatic plants – seaweeds with a total value of 1,311.0 thousand euro were farmed in 2020 and 142.3 tonnes with a total value of 1,366.6 thousand euro in 2019.
- **Fish eggs:** in 2020 compared with 2019, the quantity and the corresponding value decreased by 30.9% and 28.8% respectively. More specifically, 1.2 tonnes of fish eggs with a total value of 44.8 thousand euro were farmed in 2020 and 1.7 tonnes with a total value of 62.9 thousand euro in 2019.

Graph 1: Quantity and value change (%) of reared – cultivated group species, 2019 – 2020



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 2020 compared with 2019, fish quantity increased by 0.7% and the corresponding value decreased by 2.0%. More specifically, 2,440.9 tonnes of fish with a total value of 10,074.5 thousand euro were farmed in 2020 and 2,425.0 tonnes of fish with a total value of 10,275.2 thousand euro in 2019.
- **Brackish water:** in 2020 compared with 2019, fish quantity and corresponding value increased by 34.8% and 38.8% respectively. More specifically, 884.5 tonnes of fish with a total value of 2,727.2 thousand euro were farmed in 2020 and 656.1 tonnes of fish with a total value 1,964.7 thousand euro in 2019.
- **Sea water:** in 2020 compared with 2019, fish quantity and corresponding value increased by 3.3% and 10.1% respectively. More specifically, 129,843.1 tonnes of fish with a total value of 546,007.4 thousand euro were farmed in 2020 and 125,703.6 tonnes of fish with a total value of 495,904.4 thousand euro in 2019.

Table 2. Quantity and value of aquaculture production, by type of water, 2019 – 2020

Quantity in tonnes, value in thousand euros

Water Type	2019 ⁽¹⁾		2020		Change (%) 2020/2019	
	Quantity	Value	Quantity	Value	Quantity	Value
Fresh	2,425.0	10,275.2	2,440.9	10,074.5	0.7	-2.0
Brackish	656.1	1,964.7	884.5	2,727.2	34.8	38.8
Sea	125,703.6	495,904.4	129,843.1	546,007.4	3.3	10.1

(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 5.8% in 2020 compared with 2019. More specifically, fish larva amounted to 390,625 thousand juveniles in 2020 and 414,851 thousand juveniles in 2019.

Regarding the production of fish larva by main species:

- **European seabass:** the quantity of larva decreased by 7.6% in 2020 compared with 2019. More specifically, european seabass larva amounted to 168,994 thousand juveniles in 2020 and 182,909 thousand juveniles in 2019.
- **Gilthead seabream:** the quantity of larva decreased by 3.2% in 2020 compared with 2019. More specifically, gilthead sea bream larva amounted to 201,793 thousand juveniles in 2020 and 208,470 thousand juveniles in 2019.
- **Trout:** the quantity of larva increased by 11.4 % in 2020 compared with 2019. More specifically, gilthead sea bream larva amounted to 6,789 thousand juveniles in 2020 and 6,094 thousand juveniles in 2019.

- **Other fish:** the quantity of larva decreased by 25.1% in 2020 compared with 2019. More specifically, gilthead sea bream larva amounted to 12,976 thousand juveniles in 2020 and 17,328 thousand juveniles in 2019.

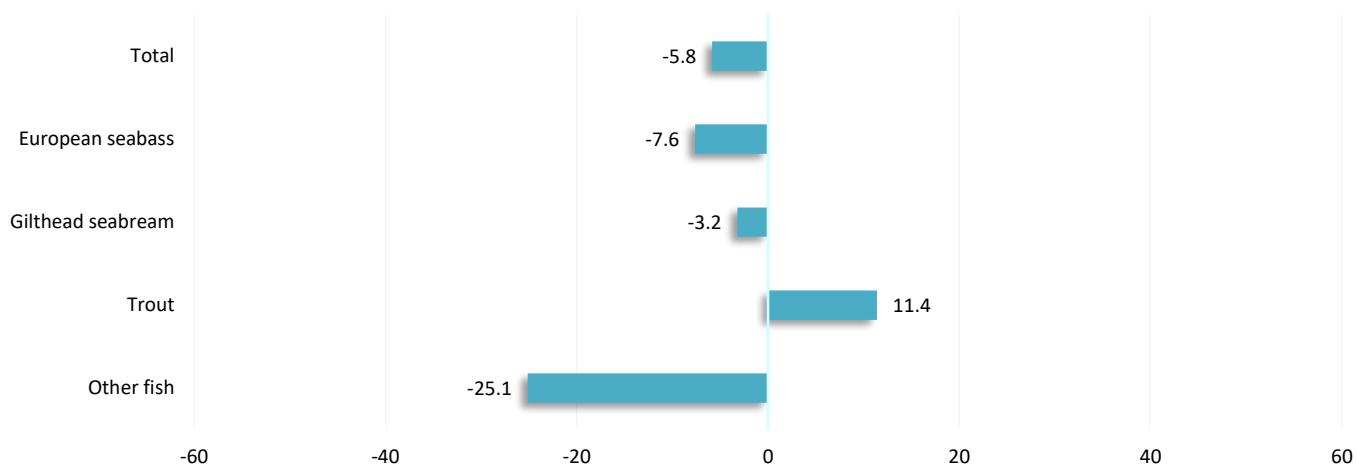
Table 3. Production of fish larva in hatcheries and nurseries, by species, 2019 – 2020

In thousand juveniles

	2019 ⁽¹⁾	2020	Change (%) 2020/2019
Total	414,851	390,625	-5.8
European seabass	182,909	168,994	-7.6
Gilthead seabream	208,470	201,793	-3.2
Trout	6,094	6,789	11.4
Other fish	17,328	12,976	-25.1

(1) Revised and final data

Graph 2. Percentage change (%) of fish larva production in hatcheries and nurseries, by species, 2019 – 2020



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 increased by 1.5% in 2020 compared with 2019. More specifically, the total number of employees amounted to 4,236 in 2020 and 4,173 in 2019.

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

- **Permanent staff** increased by 3.9% in 2020 compared with 2019. More specifically, permanent employees amounted to 3,831 in 2020 and 3,687 in 2019.
- **Temporary staff** decreased by 16.7% in 2020 compared with 2019. More specifically, temporary employees amounted to 405 in 2020 and 486 in 2019.

Table 4. Number of employed persons in aquaculture units, 2019 – 2020

	2019 ⁽¹⁾	2020	Change (%) 2020/2019
Total	4,173	4,236	1.5
Permanent staff	3,687	3,831	3.9
Temporary staff	486	405	-16.7

(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 2020.
- Survey Methodology and Definitions**
1. The survey is a census survey and it covers all 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/>