

PRESS RELEASE

AQUACULTURE SURVEY: 2018

The Hellenic Statistical Authority (ELSTAT) announces the results of the Survey on Aquaculture for the reference year 2018.

A. QUANTITY AND VALUE OF REARED OR CULTIVATED SPECIES

In 2018 compared with 2017, total production of aquaculture reared – cultivated species, in Greece, increased by 2.8%, while the corresponding value decreased by 1.8%. More specifically, 132,423.5 tonnes with a total value of 536,072.1 thousand euros were farmed in 2018, while 128,796.7 tonnes of fish with a total value of 545,977.1 thousand euro were farmed in 2017 (Table 1).

Table 1. Quantity and value of reared or cultivated species, 2017 – 2018

Quantity in tonnes, Value in thousand euros

Reared / Cultivated species	2017 ⁽¹⁾		2018		Change (%) 2018/2017	
	Quantity	Value	Quantity	Value	Quantity	Value
Grand Total	128,796.7	545,977.1	132,423.5	536,072.1	2.8	-1.8
Fish	106,230.0	536,129.5	110,239.6	526,732.9	3.8	-1.8
Flathead grey mullet	197.6	489.4	344.9	550.7	74.6	12.5
European seabass	44,407.7	248,358.4	47,027.6	239,284.1	5.9	-3.7
Shi drum	157.9	842.9	114.9	622.2	-27.3	-26.2
Sheepshead bream	143.4	918.1	55.0	341.7	-61.7	-62.8
Trout	1,988.7	6,220.7	2,126.5	6,768.4	6.9	8.8
Gilthead seabream	55,884.6	257,139.7	56,184.5	251,099.1	0.5	-2.3
Red porgy	1,280.2	8,334.1	2,178.2	14,714.3	70.2	76.6
Eel	358.4	4,037.2	391.0	2,740.1	9.1	-32.1
Other fish	1,811.7	9,789.0	1,817.1	10,612.4	0.3	8.4
Molluscs / Crustaceans	22,462.3	8,712.6	22,088.0	8,218.9	-1.7	-5.7
Mussels	22,155.8	8,281.5	21,915.9	7,743.0	-1.1	-6.5
Other	306.6	431.1	172.1	475.9	-43.9	10.4
Aquatic plants – Seaweeds	102.8	1,071.0	93.8	1,039.1	-8.7	-3.0
Spirulina	102.8	1,071.0	93.8	1,039.1	-8.7	-3.0
Fish eggs	1.6	64.0	2.1	81.2	31.6	26.8
Flathead grey mullet	1.6	64.0	2.1	81.2	31.6	26.8

(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 2018 compared with 2017, the quantity of fish increased by 3.8% while the corresponding value decreased by 1.8%. More specifically, 110,239.6 tonnes of fish with a total value of 526,732.9 thousand euro were farmed in 2018, while 106,230.0 tonnes of fish with a total value of 536,129.5 thousand euro were farmed in 2017.

Information on methodological issues:

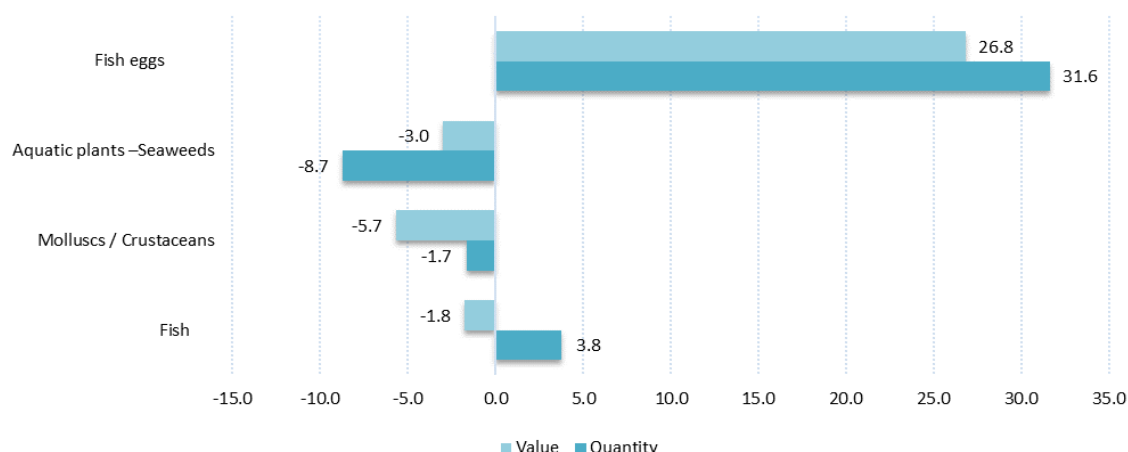
Agriculture, Livestock, Fishery and Environment Statistics Division
Agriculture, Livestock and Fishery Statistics Section
S. Spyroulis, D. Angelopoulou
Tel: +30 213 135 2050, +30 213 135 2455,
Fax: +30 213 135 2474
e-mail: s.spyroulis@statistics.gr, d.angelopoulou@statistics.gr

Information for data provision:

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

- **Molluscs and Crustaceans:** in 2018 compared with 2017, the quantity of molluscs / crustaceans decreased by 1.7% and the corresponding value decreased by 5.7%. More specifically, 22,088.0 tonnes of molluscs – crustaceans with a total value of 8,218.9 thousand euro were farmed in 2018 and 22,462.3 tonnes with a total value of 8,712.6 thousand euro in 2017.
- **Aquatic plants – Seaweeds:** in 2018 compared with 2017, the quantity of aquatic plants – seaweeds decreased by 8.7% and the corresponding value decreased by 3.0%. More specifically, 93.8 tonnes of aquatic plants – seaweeds with a total value of 1,039.1 thousand euro were farmed in 2018 and 102.8 tonnes with a total value of 1,071.0 thousand euro in 2017.
- **Fish eggs:** in 2018 compared with 2017, the quantity of fish eggs increased by 31.6% and the corresponding value increased by 26.8%. More specifically, 2.1 tonnes of fish eggs with a total value of 81.2 thousand euro were farmed in 2018 and 1.6 tonnes with a total value of 64.0 thousand euro in 2017.

Graph 1: Quantity and value change (%) of reared – cultivated group species, 2017 – 2018



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 2018 compared with 2017, there was an increase of 7.0% in fish quantity and a decrease of 5.8% in the corresponding value. More specifically, 2,610.0 tonnes of fish with a total value of 10,474.1 thousand euro were farmed in 2018 and 2,439.7 tonnes of fish with a total value of 11,116.6 thousand euro in 2017.
- **Brackish water:** in 2018 compared with 2017, there was an increase of 34.5% in fish quantity and a decrease of 4.6% in the corresponding value. More specifically, 862.5 tonnes of fish with a total value of 2,349.9 thousand euro were farmed in 2018 and 641.5 tonnes of fish with a total value of 2,463.7 thousand euro in 2017.
- **Sea water:** in 2018 compared with 2017, there was an increase of 2.6% in fish quantity and a decrease 1.7% in the corresponding value. More specifically, 128,951.0 tonnes of fish with a total value of 523,248.1 thousand euro were farmed in 2018 and 125,715.5 tonnes of fish with a total value of 532,396.8 thousand euro in 2017.

Table 2. Quantity and value of aquaculture production, by type of water, 2017 – 2018

Quantity in tonnes, Value in thousand euros

Water Type	2017 ⁽¹⁾		2018		Change (%) 2018/2017	
	Quantity	Value	Quantity	Value	Quantity	Value
Fresh	2,439.7	11,116.6	2,610.0	10,474.1	7.0	-5.8
Brackish	641.5	2,463.7	862.5	2,349.9	34.5	-4.6
Sea	125,715.5	532,396.8	128,951.0	523,248.1	2.6	-1.7

(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:** the quantity of fish larva in 2018 decreased by 2.3% compared with 2017. More specifically, fish larva amounted to 413,513 thousand juveniles in 2018 and 423,263 thousand juveniles in 2017.

More specifically, as regards the main species:

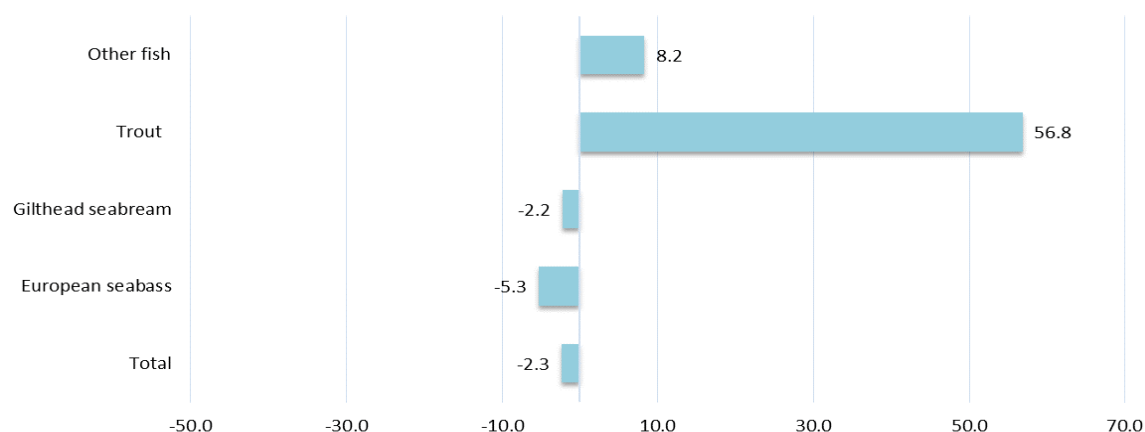
- **European seabass:** the quantity of larva in 2018 recorded a decrease of 5.3% compared with 2017. More specifically, european seabass larva amounted to 172,197 thousand juveniles in 2018 and 181,815 thousand juveniles in 2017.
- **Gilthead seabream:** the quantity of larva in 2018 recorded a decrease of 2.2% compared with 2017. More specifically, gilthead sea bream larva amounted to 215,253 thousand juveniles in 2018 and 220,057 thousand juveniles in 2017.
- **Trout:** the quantity of larva in 2018 recorded an increase of 56.8% compared with 2017. More specifically, trout larva amounted to 9,384 thousand juveniles in 2018, and 5,983 thousand juveniles in 2017.
- **Other fish:** the quantity of larva for 2018 recorded an increase of 8.2% compared with 2017. More specifically, other fish larva amounted to 16,679 thousand juveniles in 2018 and 15,408 thousand juveniles in 2017.

Table 3. Production of fish larva in hatcheries and nurseries, by species, 2017 – 2018
in thousand juveniles

	2017 ⁽¹⁾	2018	Change (%) 2018/2017
Total	423,263	413,513	-2.3
European seabass	181,815	172,197	-5.3
Gilthead seabream	220,057	215,253	-2.2
Trout	5,983	9,384	56.8
Other fish	15,408	16,679	8.2

(1) Revised and final data

Graph 2. Production of fish larva in hatcheries and nurseries, by species, 2017 – 2018



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 3.3% in 2018 compared with 2017. More specifically, the total number of employees amounted to 4,260 in 2018 and 4,404 in 2017.

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

- **Permanent staff** decreased by 2.9% in 2018 compared with 2017. More specifically, permanent employees amounted to 3,694 in 2018 and 3,804 in 2017.
- **Temporary staff** decreased by 5.7% in 2018 compared with 2017. More specifically, temporary employees amounted to 566 in 2018 and 600 in 2017.

Table 4. Employed persons, 2017 – 2018

	2017 ⁽¹⁾	2018	Change (%) 2018/2017
Total	4,404	4,260	-3.3
Permanent staff	3,804	3,694	-2.9
Temporary staff	600	566	-5.7

(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 2018.
Survey Methodology and Definitions	<ol style="list-style-type: none">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/-