



PRESS RELEASE

AQUACULTURE SURVEY, 2017

The Hellenic Statistical Authority (ELSTAT) announces provisional data of the Survey on Aquaculture for the reference year 2017.

A. QUANTITY AND VALUE OF REARED OR CULTIVATED SPECIES

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

- **Fish:** in 2017 compared with 2016, an increase of 5.9% was recorded in the quantity of fish and an increase of 3.4% in the corresponding value, while in 2016 compared with 2015, there was an increase of 12.3% and 10.4% in the quantity of fish and the corresponding value, respectively. More specifically, 106,166.1 tonnes of fish with a total value of 536,472.6 thousand euro were farmed in 2017, 100,295.1 tonnes of fish with a total value of 518,956.8 thousand euro in 2016 and 89,334.9 tonnes of fish with a total value of 469,968.0 thousand euro in 2015 (Table 1, Graph 1a).
- **Molluscs and Crustaceans:** in 2017 compared with 2016, the quantity of molluscs / crustaceans recorded decrease of 16.5% and the corresponding value increased by 10.2%, while in 2016 compared with 2015, there was an increase of 24.8% and 23.1% in the quantity and value, respectively. More specifically, 19,462.3 tonnes of molluscs / crustaceans with a total value of 7,612.6 thousand euro were farmed in 2017, 23,321.0 tonnes with a total value of 8,480.4 thousand euro in 2016 and 18,680.2 tonnes of molluscs / crustaceans with a total value of 6,889.1 thousand euro in 2015 (Table 1, Graph 1b).

Table 1. Quantity and value of reared or cultivated species, 2015 – 2017

(Quantity in tonnes, Value in thousand euro)

Reared or Cultivated species	2015		2016 ¹		2017		Change (%) 2016/2015		Change (%) 2017/2016	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Grand Total	108,032.1	477,503.9	123,629.5	527,963.1	125,645.1	545,760.5	14.4	10.6	1.6	3.4
Fish	89,334.9	469,968.0	100,295.1	518,956.8	106,166.1	536,472.6	12.3	10.4	5.9	3.4
Flathead grey mullet	251.0	628.3	314.7	651.5	197.6	489.4	25.4	3.7	-37.2	-24.9
European seabass	36,600.1	199,871.4	42,479.4	235,579.7	44,284.7	247,669.2	16.1	17.9	4.2	5.1
Shi drum	475.6	2,663.6	127.6	667.5	157.9	842.9	-73.2	-74.9	23.8	26.3
Sheepshead bream	202.0	1,125.3	144.6	839.1	143.4	918.1	-28.4	-25.4	-0.8	9.4
Trout	1,758.7	5,521.2	1,644.3	5,077.9	1,988.7	6,220.7	-6.5	-8.0	20.9	22.5
Gilthead seabream	47,713.3	246,551.1	49,620.8	242,222.9	55,947.5	258,201.4	4.0	-1.8	12.8	6.6
Red porgy	781.6	4,918.1	3,030.6	16,443.8	1,291.7	8,360.5	287.7	234.4	-57.4	-49.2
Eel	322.1	2,779.5	473.6	4,869.3	358.4	4,037.2	47.1	75.2	-24.3	-17.1
Other fish	1,230.4	5,909.4	2,459.7	12,605.2	1,796.2	9,733.2	99.9	113.3	-27.0	-22.8
Molluscs and Crustaceans	18,680.2	6,889.1	23,321.0	8,480.4	19,462.3	7,612.6	24.8	23.1	-16.5	-10.2
Mussels	18,628.4	6,848.9	23,288.6	8,449.5	19,155.8	7,181.5	25.0	23.4	-17.7	-15.0
Other	51.8	40.2	32.4	31.0	306.6	431.1	-37.4	-23.0	845.3	1,292.4
Aquatic plants –Seaweeds	14.8	560.1	9.6	383.0	15.2	1,611.3	-34.8	-31.6	57.6	320.7
Spirulina	14.8	560.1	9.6	383.0	15.2	1,611.3	-34.8	-31.6	57.6	320.7
Fish eggs	2.3	86.7	3.7	142.8	1.6	64.0	59.4	64.7	-57.3	-55.2
Flathead grey mullet	2.3	86.7	3.7	142.8	1.6	64.0	59.4	64.7	-57.3	-55.2

(1) Revised data

Information:

Division of Agriculture and Livestock Statistics

Section of Annual Agriculture, Livestock & Fishery Statistics

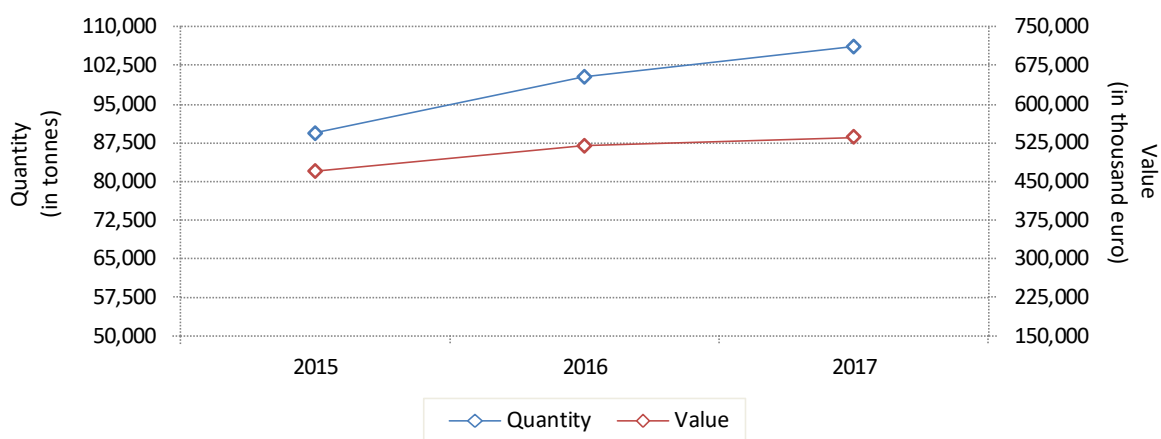
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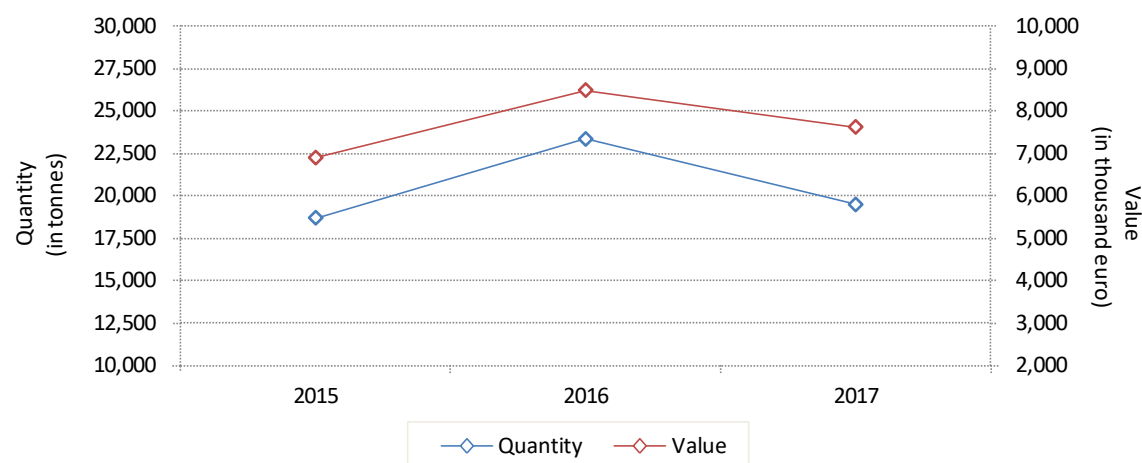
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Graph 1a. Quantity and value of fish, 2015 – 2017



Graph 1b. Quantity and value of molluscs / crustaceans, 2015 – 2017



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

- **Fresh water:** in 2017 compared with 2016, there was an increase of 13.6% in fish quantity and an increase of 18.3% in the corresponding value, while in 2016 compared with 2015, there was a decrease of 1.5% and an increase of 9.6% in fish quantity and value, respectively. More specifically, 2,352.1 tonnes of fish with a total value of 11,656.8 thousand euro were farmed in 2017, 2,071.0 tonnes of fish with a total value of 9,853.3 thousand euro in 2016 and 2,101.6 tonnes with a total value of 8,986.9 thousand euro in 2015 (Table 2).
- **Brackish water:** in 2017 compared with 2016, there was a decrease of 33.9% in fish quantity and a decrease of 26.4% in the corresponding value, while in 2016 compared to 2015, there was an increase of 25.6% and 20.2% in fish quantity and value, respectively. More specifically, 641.5 tonnes of fish with a total value of 2,463.7 thousand euro were farmed in 2017, 970.5 tonnes of fish with a total value of 3,347.5 thousand euro in 2016 and 772.6 tonnes of fish with a total value of 2,783.9 thousand euro in 2015 (Table 2).
- **Sea water:** in 2017 compared with 2016, there was an increase of 1.7% in fish quantity and a 3.3% increase in the corresponding value, while in 2016 compared to 2015, there was an increase of 14.7% and 10.5% in fish quantity and value, respectively. More specifically, 122,651.6 tonnes of fish with a total value of 531,639.9 thousand euro were farmed in 2017, 120,588.0 tonnes of fish with a total value of 514,762.3 thousand euro in 2016 and 105,157.9 tonnes of fish with a total value of 465,733.1 thousand euro in 2015 (Table 2).

Table 2. Quantity and value of aquaculture production, by type of water, 2015 – 2017

(Quantity in tonnes, Value in thousand euro)

Water Type	2015		2016 ¹		2017		Change (%) 2016/2015		Change (%) 2017/2016	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Fresh	2,101.6	8,986.9	2,071.0	9,853.3	2,352.1	11,656.8	-1.5	9.6	13.6	18.3
Brackish	772.6	2,783.9	970.5	3,347.5	641.5	2,463.7	25.6	20.2	-33.9	-26.4
Sea	105,157.9	465,733.1	120,588.0	514,762.3	122,651.6	531,639.9	14.7	10.5	1.7	3.3

(1) Revised data

B. PRODUCTION OF FISH LARVA IN HATCHERIES AND NURSERIES

The changes in the produced quantity of fish larva, by species in Greece (total), are as follows:

- **Overall production of fish larva:** the quantity of fish larva in 2017 decreased by 2.8% compared with 2016, in relation to an increase of 8.5% recorded in 2016/2015. More specifically, fish larva amounted to 423,263 thousand juveniles in 2017, 435,279 thousand juveniles in 2016 and 401,253 thousand juveniles in 2015 (Table 3).

More specifically, as regards the main species:

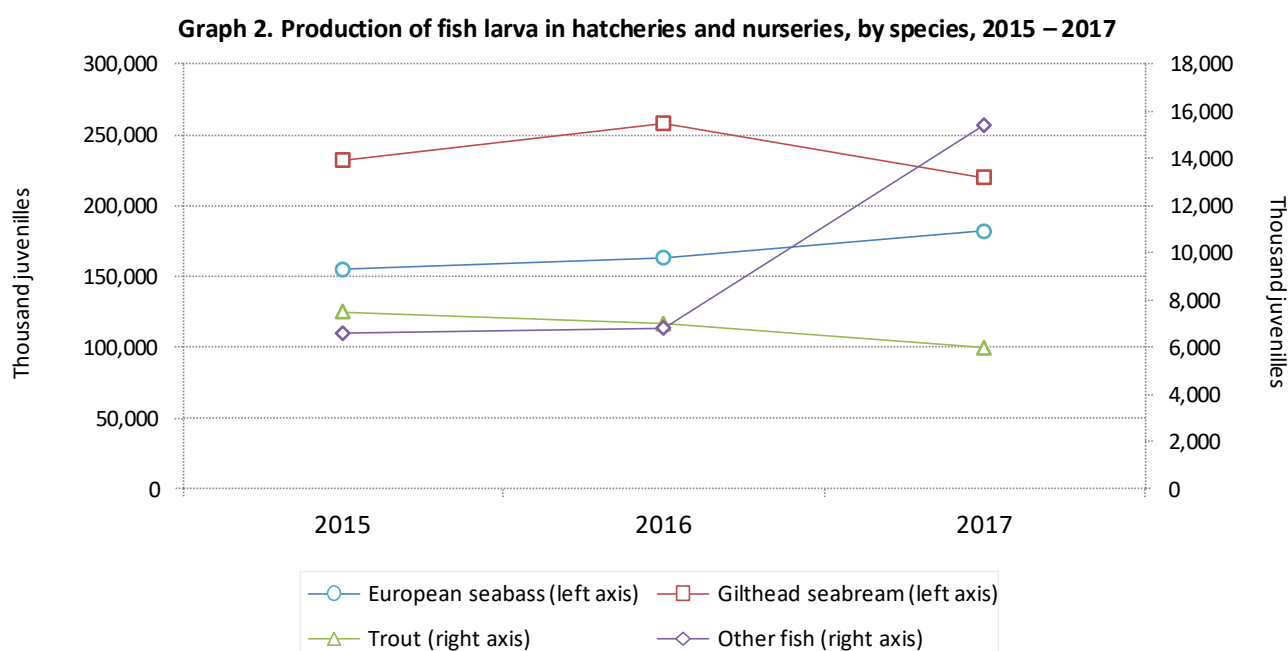
- **European seabass:** the quantity of larva in 2017 recorded an increase of 11.3% compared with 2016, in relation to an increase of 5.4% recorded for 2016/2015. More specifically, european seabass larva amounted to 181,815 thousand juveniles in 2017, 163,316 thousand juveniles in 2016 and 154,915 thousand juveniles in 2015 (Table 3, Graph 2),
- **Gilthead seabream:** the quantity of larva in 2017 recorded a decrease of 14.8% compared with 2016, in relation to an increase of 11.2% recorded for 2016/2015. More specifically, gilthead sea bream larva amounted to 220,057 thousand juveniles in 2017, 258,137 thousand juveniles in 2016 and 232,221 thousand juveniles in 2015 (Table 3, Graph 2),
- **Trout:** the quantity of larva in 2017 recorded a decrease of 14.6% compared with 2016, in relation to a decrease of 6.9% recorded for 2016/2015. More specifically, trout larva amounted to 5,983 thousand juveniles in 2017, 7,002 thousand juveniles in 2016 and 7,518 thousand juveniles in 2015 (Table 3, Graph 2),
- **Other fish:** the quantity of larva for 2017 recorded an increase of 125.8% compared with 2016, in relation to an increase of 3.4% recorded for 2016/2015. More specifically, other fish larva amounted to 15,408 thousand juveniles in 2017, 6,824 thousand juveniles in 2016 and 6,599 thousand juveniles in 2015 (Table 3, Graph 2).

Table 3. Production of fish larva in hatcheries and nurseries, by species, 2015 – 2017

(In thousand juveniles)

Species	2015	2016 ¹	2017	Change (%) 2016/2015	Change (%) 2017/2016
Total	401,253	435,279	423,263	8.5	-2.8
European seabass	154,915	163,316	181,815	5.4	11.3
Gilthead seabream	232,221	258,137	220,057	11.2	-14.8
Trout	7,518	7,002	5,983	-6.9	-14.6
Other fish	6,599	6,824	15,408	3.4	125.8

(1) Revised data



C. EMPLOYED PERSONS BY TYPE OF EMPLOYMENT RELATIONSHIP

The changes in the total annual employment are as follows:

- The **total** number of employed persons recorded an increase of 2.5% in 2017 compared with 2016, in relation to an increase of 5.4% recorded for 2016/2015. More specifically, the total number of employees amounted to 4,397 in 2017, 4,291 in 2016 and 4,073 in 2015 (Table 4, Graph 3).

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

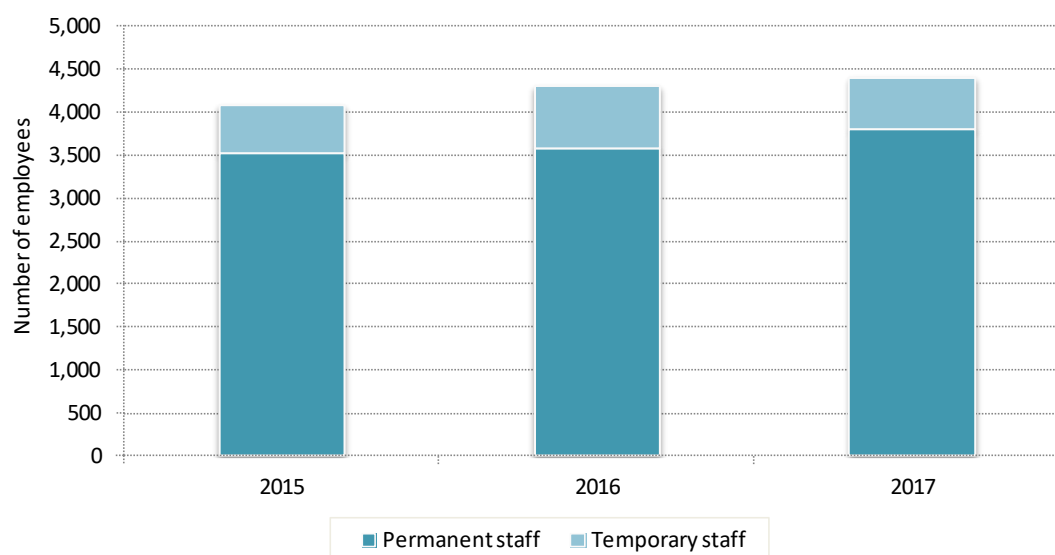
- **Permanent staff** recorded an increase of 6.1% in 2017 compared with 2016, in relation to an increase of 1.9% recorded for 2016/2015. More specifically, permanent employees amounted to 3,795 in 2017, 3,578 in 2016 and 3,510 in 2015 (Table 4, Graph 3).
- **Temporary staff** recorded a decrease of 15.6% in 2017 compared with 2016, in relation to an increase of 26.6% recorded for 2016/2015. More specifically, temporary employees amounted to 602 in 2017, 713 in 2016 and 563 in 2015 (Table 4, Graph 3).

Table 4. Employed persons, 2015 – 2017

Type of employment	2015	2016 ¹	2017	Change (%) 2016/2015	Change (%) 2017/2016
Total	4,073	4,291	4,397	5.4	2.5
Permanent staff	3,510	3,578	3,795	1.9	6.1
Temporary staff	563	713	602	26.6	-15.6

(1) Revised data

Graph 3. Persons employed in aquaculture units, 2015 – 2017



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 2017.
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, molluscs, 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/-