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FISHERY, 2021

A total number of fishermen engaged in maritime fishing decreased in 2021 by 0.3% and the total number of vessels increased by 2.7%, as compared to 2020.

Total catches and production of sea fish and other sea organisms decreased by around 4 620 tonnes, that is, by 5.1% in 2021, as compared to the previous year.

The quantity of pelagic fish decreased by 10.7%, while the quantity of other fish increased by 12.9%.

Out of the total number of pelagic fish catches, the largest share, 72.4%, relates to the catches of pilchard.

The catches of crustaceans increased by 96 tonnes (10.4%), while the catches of molluscs decreased by 276 tonnes (29.6%).

The catches and production of shellfish increased by 428 tonnes (61.8%).

The total production of freshwater fish increased in 2021 by 1 369 tonnes (49.2%).

The production of consumer fish in carp fishponds increased by approximately 1 400 tonnes (59.0%), while the production in trout fishponds decreased by 41 tonnes (10.5%) compared to the previous year. Out of the total freshwater fish produced, 68.1% relates to the production of carp and 8.5% to the production of trout.

The total value of fishery in 2021 increased by 15.9% compared to 2020. This was due to an increase in the value of maritime fishing (by 14.8%), which was affected by sale prices increase.

The total value of freshwater fishing in 2021 increased by 49.0% compared to 2020. This was due to an increase in quantities of fish sold (by 49.3%).

MARITIME FISHING

1 FISHERMEN ENGAGED IN COMMERCIAL AND SMALL COASTAL FISHING

	Fishermen		Indices 2021 2020
	2020	2021	
Total	6 582	6 563	99,7
Commercial fishing	3 030	3 015	99,5
Small coastal fishing	3 552	3 548	99,9

2 VESSELS, BY TYPE

	2020			2021			Indices 2021 2020		
	Vessels	Total vessel size, GT	Total engine power, kW	Vessels	Total vessel size, GT	Total engine power, kW	Vessels	Total vessel size, GT	Total engine power, kW
Total	7 555	44 307	348 455	7 757	44 621	354 226	102,7	100,7	101,7
Ships	325	27 621	110 810	329	27 665	110 924	101,2	100,2	100,1
Boats	7 230	16 686	237 645	7 428	16 956	243 302	102,7	101,6	102,4

3 FISHING NETS, BY TYPE¹⁾

	Nets, number		Indices 2021 2020
	2020	2021	
Trawl nets	881	868	98,5
Purse seine nets	752	703	93,5
Drift nets	563	558	99,1
Single and triple gillnets	5 903	5 869	99,4

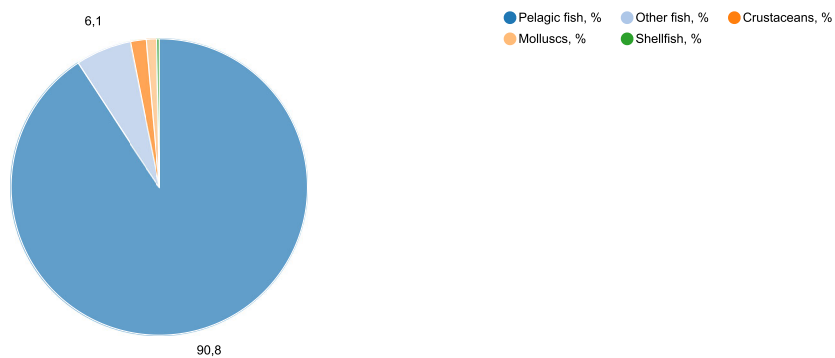
1) Data refer to the total number of fishing equipment (active and inactive) included in licences for commercial fishing at sea.

4 CATCHES AND PRODUCTION OF SEA FISH, CRUSTACEANS, SHELLFISH AND MOLLUSCS

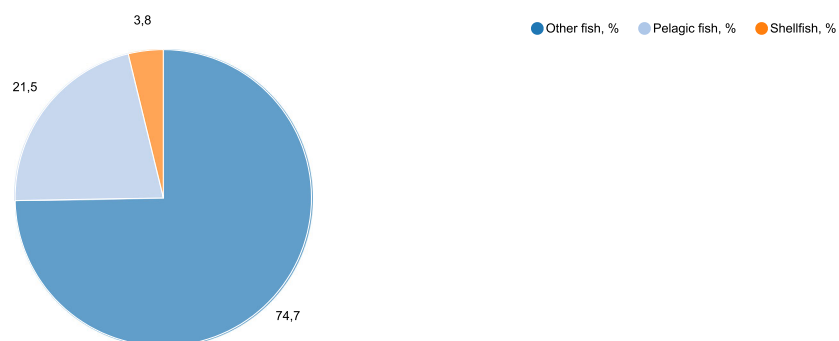
	Catches and production, t				Indices, total 2021 2020
	2020	2021			
	Total	Total	Catches	Production	Vessels
Total	89 965	85 341	61 574	23 767	94,9
Fish	87 415	82 543	59 686	22 857	94,4
Pelagic fish	68 380	61 046	55 945	5 101	89,3
Pilchard	50 134	40 485	40 485	-	80,8
Anchovy	9 781	11 621	11 621	-	118,8
Bluefin tuna	4 223	6 002	901	5 101	142,1
Atlantic chub mackerel	1 966	1 144	1 144	-	58,2
Jack and horse mackerel	1 755	1 212	1 212	-	69,1
Other species	521	582	582	-	111,7
Other fish	19 035	21 497	3 741	17 756	112,9
Hake	1 202	1 062	1 062	-	88,4
Red mullet	788	793	793	-	100,6
Grey mullet	91	99	99	-	108,8
Conger	35	36	36	-	102,9
Seabass	6 769	9 094	11	9 083	134,3
Gilthead seabream	7 911	7 783	184	7 599	98,4
Picarels	93	102	102	-	109,7
Bogue	82	81	81	-	98,8
Sole	214	159	159	-	74,3
Other species	1 850	2 288	1 214	1 074	123,7
Crustaceans ¹⁾	925	1 021	1 021	-	110,4
Spiny lobster	6	9	9	-	150,0
Norway lobster	238	251	251	-	105,5
Prawn and other crustaceans	681	761	761	-	111,7
Shellfish ¹⁾	693	1 121	211	910	161,8
Oysters	29	74	18	56	255,2
Great Mediterranean scallop	40	52	52	-	130,0
Warty venus	58	67	67	-	115,5
Mediterranean mussel	529	886	32	854	167,5
Other shellfish	37	42	42	-	113,5
Molluscs	932	656	656	-	70,4
Squid	331	228	228	-	68,9
Octopus	168	130	130	-	77,4
Cuttlefish	103	91	91	-	88,3
Cephalopods and other molluscs	330	207	207	-	62,7

1) Data refer to edible and non-edible weight of catches.

G-1 CATCHES OF SEA FISH, CRUSTACEANS, SHELLFISH AND MOLLUSCS, 2021



G-2 PRODUCTION OF SEA FISH AND SHELLFISH, 2021



FRESHWATER FISHING

5 FISHPONDS AREA IN EXPLOITATION

	Area		Indices 2021 2020
	2020	2021	
Carp fishponds, ha	10 882	12 484	114,7
Trout fishponds, m ²	35 303	45 434	128,7

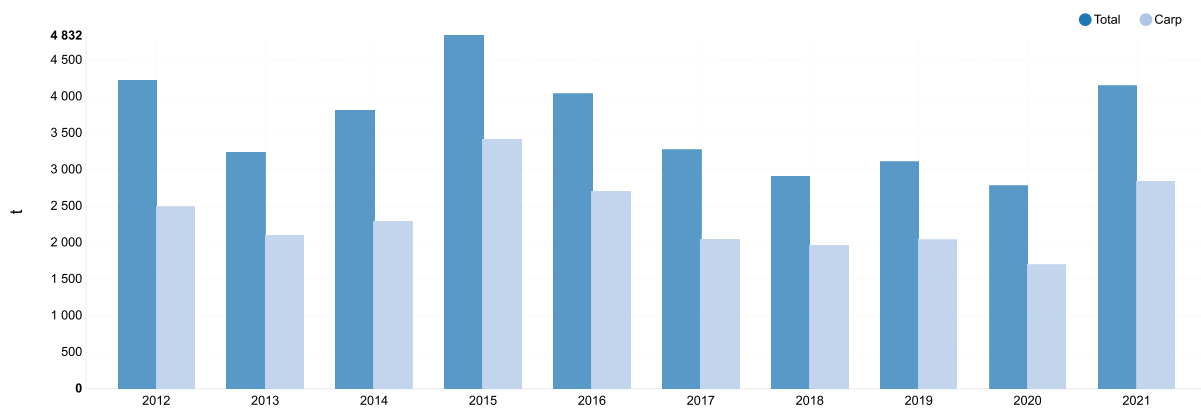
6 PRODUCTION OF MILT

	Production, '000 pcs		Indices 2021 2020
	2020	2021	
Total	36 667	53 123	144,9
Carp	22 688	34 707	153,0
Trout	2 853	2 869	100,6
Other fish	11 126	15 547	139,7

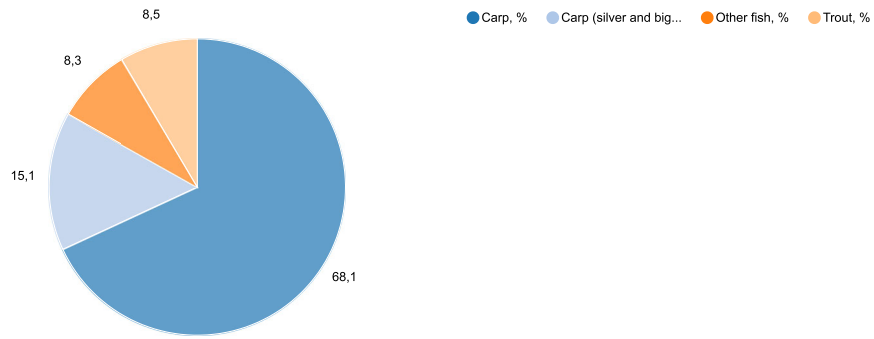
7 PRODUCTION OF CONSUMER FISH

	2020			2021			Indices 2021 2020		
	Total	In carp fishponds	In trout fishponds	Total	In carp fishponds	In trout fishponds	Total	In carp fishponds	In trout fishponds
Total	2 780	2 388	392	4 149	3 798	351	149,2	159,0	89,5
Carp	1 691	1 691	-	2 827	2 827	-	167,2	167,2	-
Wels catfish	32	32	-	32	32	-	100,0	100,0	-
Grass carp	133	133	-	282	282	-	212,0	212,0	-
Carp (silver and bighead)	487	487	-	626	626	-	128,5	128,5	-
Trout	392	-	392	351	-	351	89,5	-	89,5
Other fish	45	45	-	31	31	-	68,9	68,9	-

G-3 PRODUCTION OF CONSUMER FISH IN CARP AND TROUT FISHPONDS, 2012 – 2021



G-4 PRODUCTION OF CONSUMER FISH IN CARP AND TROUT FISHPONDS, 2021



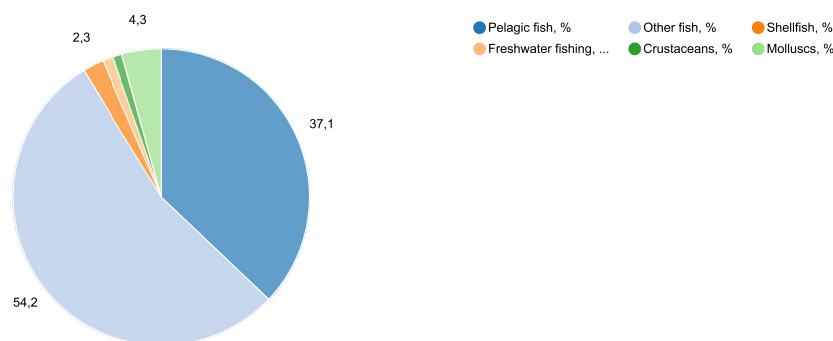
8 FISH, CRUSTACEANS, SHELLFISH AND MOLLUSCS SALES

	2020			2021			Value indices 2021 2020	Price indices 2021 2020
	Sold, t	Value, thousand kuna	Average price, kuna/kg	Sold, t	Value, thousand kuna	Average price, kuna/kg		
Total ¹⁾	90 441	1 405 901	-	86 506	1 629 688	-	115,9	-
Maritime fishing	87 662	1 359 102	-	82 357	1 559 970	-	114,8	-
Fish	85 557	1 294 032	-	79 997	1 489 010	-	115,1	-
Pelagic fish – total	67 248	519 237	-	59 614	604 623	-	116,4	-
Of that:								
Pilchard	50 132	165 036	3,29	40 353	140 560	3,48	85,2	105,8
Anchovy	9 643	68 948	7,15	11 409	76 675	6,72	111,2	94,0
Bluefin tuna	3 381	269 680	79,76	5 177	378 082	73,04	140,2	91,6
Mixed small fish								
Other species	4 092	15 572	3,81	2 675	9 306	3,48	59,8	91,4
Other fish – total	18 309	774 795	-	20 383	884 386	-	114,1	-
Of that:								
Hake	1 029	28 727	27,92	906	26 162	28,87	91,1	103,4
Red mullet	665	8 521	12,82	680	9 122	13,41	107,1	104,6
Grey mullet	46	705	15,48	41	720	17,49	102,1	112,9
Conger	15	268	17,89	15	274	18,19	102,0	101,7
Seabass	6 759	307 689	45,52	9 088	408 422	44,94	132,7	98,7
Gilthead seabream	7 845	352 297	44,91	7 699	350 756	45,56	99,6	101,4
Picarels	70	784	11,28	77	826	10,70	105,4	94,9
Bogue	60	527	8,78	55	478	8,69	90,8	99,0
Sole	172	10 349	60,29	113	7 504	66,32	72,5	110,0
Other species	1 650	64 930	39,35	1 708	80 123	46,90	123,4	119,2
Crustaceans – total ²⁾	836	32 579	-	918	37 002	-	113,6	-
Spiny lobster	3	726	282,51	5	1 556	317,48	214,3	112,4
Norway lobster	191	18 379	96,04	196	20 364	103,73	110,8	108,0
Prawn and other crustaceans	642	13 474	20,98	717	15 082	21,03	111,9	100,2
Shellfish – total ²⁾	628	11 142	-	1 020	18 449	-	165,6	-
Oysters, mussels and other shellfish ²⁾	628	11 142	17,42	1 020	18 449	18,08	165,6	101,8
Molluscs – total	641	21 348	-	421	15 510	-	72,7	-
Squid	268	8 062	30,10	176	6 198	35,22	76,9	117,0
Cuttlefish	58	2 521	43,17	41	2 076	50,79	82,4	117,6
Octopus	86	4 754	55,57	54	3 481	64,68	73,2	116,4
Cephalopods	229	6 011	26,23	150	3 754	25,03	62,5	95,4
Freshwater fishing – total ¹⁾	2 779	46 799	-	4 149	69 717	-	149,0	-
Carp	1 691	28 394	16,79	2 828	48 980	17,32	172,5	103,2
Wels catfish	32	1 184	37,36	32	1 262	39,64	106,6	106,1
Grass carp	133	1 943	14,66	282	3 992	14,17	205,4	96,6
Carp (silver and bighead)	487	2 877	5,90	626	3 898	6,22	135,5	105,4
Trout	392	11 545	29,48	351	10 594	30,19	91,8	102,4
Other fish	45	855	18,95	31	992	32,39	116,0	170,9

1) Data do not contain catches of freshwater fish.

2) Data refer to edible and non-edible amounts.

G-5 VALUE OF MARITIME AND FRESHWATER FISHING, 2021



NOTES ON METHODOLOGY

Source and methods of data collection

Data on catches and production of sea and freshwater fish and other sea organisms as well as the data on fishermen, vessels and equipment and the data on values and quantities of sold goods were taken over from the Directory of Fisheries of the Ministry of Agriculture, in line with the Co-operation Agreement, which enables the surveying of basic indicators in the area of freshwater and maritime fishing and the collection of data on personnel, basic fishing means, vessels, fishing equipment, surface areas of carp and trout fishponds, catches and production of sea and freshwater fish, crustaceans, shellfish, molluscs and the production of milt.

The Directorate of Fisheries of the Ministry of Agriculture, as the producer of official statistics on fisheries, collects the necessary data and then processes and forwards them to the Croatian Bureau of Statistics according to the previously arranged deadline and in the form suitable for further usage.

The Croatian Bureau of Statistics is responsible for releasing statistical data on fisheries at the national level, in accordance with strategic documents of the Croatian Bureau of Statistics.

Data on fisheries are collected on the basis of the Regulation (EU) No. 2017/1004 of the European Parliament and of the Council of 17 May 2017 on the establishment of a Union framework for the collection, management and use of data in the fisheries sector and support for scientific advice regarding the common fisheries policy and repealing the Council Regulation (EC) No. 199/2008.

Coverage and comparability

Reporting units are legal entities and parts thereof as well as individual fishermen who are engaged in commercial maritime and freshwater fishing, small coastal fishing or in the production of sea fish and other sea organisms according to the records of the Directory of Fisheries of the Ministry of Agriculture on issued licences.

Since 2018, data on the production of milt have been collected in line with the Ordinance on statistical data collection on aquaculture (NN, No. 13/19) and expressed in the number of pieces, which is why they are not comparable to data from previous years. Pursuant to the same Ordinance, data on the quantities of food and fertilizers consumed in fishponds have no longer been collected.

Definitions

Commercial fishing is an activity of catches of sea fish and other sea organisms for making profit.

Ship, with the exception of warship, is any waterborne craft intended for navigation at sea, exceeding 15 m in length, or one authorised to carry more than 12 passengers. A ship may be a passenger, cargo or technical waterborne craft, or a fishing, public or a scientific research ship.

Fishing boat is intended and equipped for catching fish and other organisms in the sea or on the seabed.

Boat is a waterborne craft intended for navigation at sea, which is authorised to carry no more than 12 passengers, the length of which is more than 2.5 metres and less than or equal to 15 metres, or the total power of its propulsion engines is greater than 5 kW (Maritime Code, NN, No. 17/19).

According to the Act on Maritime Fishing (NN, Nos 62/17, 130/17 and 14/19) and related legislature, the most important groups of fishing gears are trawl nets, purse seine nets, drift nets and (single and triple) gillnets.

Trawl nets are benthic trawl net, pelagic trawl net, coastal trawl net, dredges for Noah's ark and dredges.

Purse seine nets are purse seine for small pelagic fish, purse seine for great pelagic fish, purse seine for mullets, purse seine for needlefish and purse seine for smelt.

Drift nets are drift net for sardines, drift net for picarels, motion drift net, drift net for needlefish, drift net for amberjack, drift net for smelt, drift net for with trap and drift net with frightening rope.

Single gillnets are gillnet for sandsmelt, gillnet for smelt, gillnet for picarel (*Spicara smaris*), gillnet for sardines, gillnet for picarel (*Spicara flexuosa*), gillnet for cacckarel, gillnet for bogue, gillnet for various fish, gillnet for Atlantic bonito, gillnet for sharks, gillnet for lobsters, gillnet for angle shark and gillnet for sea spider. Triple gillnets are gillnet for salema, triple gillnet for various fish, gillnet for solea and gillnet for cuttlefish.

Abbreviations

EC	European Community
EU	European Union
GT	gross tonne
ha	hectare
kuna/kg	kuna per kilogram
kW	kilowatt
m	meter
m ²	square meter
NN	Narodne novine, official gazette of the Republic of Croatia
pcs	pieces
t	tonne
'000	thousand

Symbols

- no occurrence

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