

WORLD AQUACULTURE AND COMMERCIAL CATCHES, 1989-98

Year	World aquaculture			World commercial catch			Grand Total
	Inland	Marine	Total	Inland	Marine	Total	
	----- Metric tons -----			----- Metric tons -----			
	Live weight			Live weight			
1989	7,236,775	5,091,399	12,328,174	6,232,159	83,058,006	89,290,165	101,618,339
1990	7,698,867	5,385,400	13,084,267	6,436,889	79,073,661	85,510,550	98,594,817
1991	7,902,884	5,838,041	13,740,925	6,199,956	78,279,764	84,479,720	98,220,645
1992	8,929,908	6,544,938	15,474,846	6,133,940	79,168,140	85,302,080	100,776,926
1993	10,132,179	7,764,215	17,896,394	6,524,486	79,983,088	86,507,574	104,403,968
1994	11,696,144	9,123,582	20,819,726	6,705,292	84,731,353	91,436,645	112,256,371
1995	13,628,935	10,923,134	24,552,069	7,248,974	84,327,829	91,576,803	116,128,872
1996	15,408,482	11,411,591	26,820,073	7,433,018	86,041,137	93,474,155	120,294,228
1997	17,029,584	11,794,654	28,824,238	7,532,353	86,086,701	93,619,054	122,443,292
1998	18,118,961	12,744,106	30,863,067	8,003,441	78,295,912	86,299,353	117,162,420

Note:--Data for marine mammals and aquatic plants are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES OF FISH, CRUSTACEANS, AND MOLLUSKS, 1997-98

Species group	1997			1998		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----- Metric tons -----			----- Metric tons -----		
	Live-weight			Live-weight		
Herrings, sardines, anchovies	-	21,596,852	21,596,852	-	16,539,574	16,539,574
Carps, barbels, cyprinids	13,230,197	616,556	13,846,753	14,142,298	603,331	14,745,629
Cods, hakes, haddocks	307	10,364,350	10,364,657	148	10,332,547	10,332,695
Jacks, mullets, sauries	183,983	10,529,223	10,713,206	204,498	8,354,345	8,558,843
Redfish, basses, congers	178,901	7,300,692	7,479,593	201,380	6,984,024	7,185,404
Tunas, bonitos, billfishes	2,089	5,122,071	5,124,160	5,140	5,545,977	5,551,117
Mackerel, snoeks, cutlassfishes	-	5,284,903	5,284,903	-	4,985,495	4,985,495
Salmons, trouts, smelts	1,225,112	921,686	2,146,798	1,291,444	889,059	2,180,503
Tilapias	938,497	562,036	1,500,533	972,773	598,453	1,571,226
Flatfish	-	1,024,984	1,024,984	33,445	925,638	959,083
Shads	-	734,453	734,453	-	808,827	808,827
Sharks, rays, chimaeras	-	808,341	808,341	-	800,129	800,129
River eels	232,908	14,677	247,585	222,547	12,785	235,332
Sturgeons, paddlefish	2,025	4,391	6,416	2,034	3,714	5,748
Other fishes	2,754,268	14,833,962	17,588,230	2,969,658	15,291,012	18,260,670
Shrimp	1,000,565	2,600,256	3,600,821	1,113,887	2,713,450	3,827,337
Crabs	70,948	1,203,428	1,274,376	77,411	1,284,838	1,362,249
Lobsters	67	249,569	249,636	71	237,875	237,946
Krill	-	82,508	82,508	-	81,181	81,181
Other crustaceans	301,307	1,771,603	2,072,910	372,678	2,046,358	2,419,036
Oysters	3,082,260	184,737	3,266,997	3,537,830	157,409	3,695,239
Clams, cockles, arkshells	1,941,872	807,171	2,749,043	2,226,025	821,273	3,047,298
Squids, cuttlefishes, octopus	4	3,387,678	3,387,682	33	2,604,437	2,604,470
Mussels	1,136,050	240,090	1,376,140	1,377,830	248,293	1,626,123
Scallops	1,269,063	465,669	1,734,732	874,225	515,660	1,389,885
Abalones, winkles, conchs	3,893	116,634	120,527	3,749	90,070	93,819
Other mollusks	1,148,154	2,130,124	3,278,278	1,123,172	2,177,898	3,301,070
Sea urchins, other echinoderms	74	116,477	116,551	30	106,447	106,477
Miscellaneous	121,694	543,933	665,627	110,761	539,254	650,015
Total	28,824,238	93,619,054	122,443,292	30,863,067	86,299,353	117,162,420

Note:--Data for 1997 are revised. Data for marine mammals and aquatic plants are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES BY COUNTRY OF FISH, CRUSTACEANS, AND MOLLUSKS, 1997-98

Country	1997			1998		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	-----Metric tons----- <u>Live-weight</u>			-----Metric tons----- <u>Live-weight</u>		
China	19,315,623	15,722,344	35,037,967	20,795,367	17,229,957	38,025,324
Japan	806,534	5,916,155	6,722,689	766,812	5,259,089	6,025,901
India	1,862,250	3,517,084	5,379,334	2,029,619	3,214,765	5,244,384
United States	438,331	4,983,468	5,421,799	445,123	4,708,980	5,154,103
Russian Federation	53,171	4,661,853	4,715,024	63,195	4,454,759	4,517,954
Indonesia	662,547	3,791,025	4,453,572	696,880	3,698,850	4,395,730
Peru	7,381	7,869,871	7,877,252	7,732	4,338,437	4,346,169
Chile	272,346	5,811,567	6,083,913	293,044	3,265,306	3,558,350
Thailand	552,356	2,877,622	3,429,978	569,577	2,900,320	3,469,897
Norway	367,298	2,856,017	3,223,315	408,862	2,850,428	3,259,290
South Korea	392,387	2,204,047	2,596,434	327,462	2,026,934	2,354,396
Philippines	330,441	1,805,806	2,136,247	311,933	1,827,971	2,139,904
Iceland	3,663	2,205,944	2,209,607	3,868	1,681,951	1,685,819
Viet Nam	494,000	1,078,668	1,572,668	521,870	1,130,660	1,652,530
Denmark	38,908	1,826,852	1,865,760	42,368	1,557,335	1,599,703
Bangladesh	512,738	829,426	1,342,164	583,877	839,141	1,423,018
Spain	239,136	1,143,122	1,382,258	313,518	1,106,557	1,420,075
Taiwan	257,530	1,038,048	1,295,578	240,435	1,076,288	1,316,723
Mexico	39,500	1,489,020	1,528,520	40,989	1,181,402	1,222,391
Malaysia	103,360	1,172,922	1,276,282	129,009	1,153,719	1,282,728
All others	2,074,738	20,818,193	22,892,931	2,271,527	20,796,504	23,068,031
Total	28,824,238	93,619,054	122,443,292	30,863,067	86,299,353	117,162,420

Note:--For the United States the weight of clams, oyster, scallop, and other mollusk includes the shell weight. This weight is not included in U.S. landings shown elsewhere. Data for marine mammals and aquatic plants are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES BY AREA OF FISH, CRUSTACEANS, AND MOLLUSKS, 1997-98

Country	1997			1998		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	-----Metric tons----- <u>Live-weight</u>			-----Metric tons----- <u>Live-weight</u>		
Marine Areas						
Atlantic Ocean:						
Northeast	1,091,434	11,726,845	12,818,279	1,240,192	10,935,442	12,175,634
Northwest	71,091	2,047,525	2,118,616	69,621	1,960,325	2,029,946
Eastern central	-	3,550,023	3,550,023	-	3,573,635	3,573,635
Western central	72,179	1,800,648	1,872,827	64,729	1,778,297	1,843,026
Southeast	3,070	1,116,420	1,119,490	3,276	1,264,153	1,267,429
Southwest	10,180	2,729,593	2,739,773	11,030	2,349,737	2,360,767
Mediterranean and Black Sea	264,354	1,436,622	1,700,976	326,847	1,405,860	1,732,707
Indian Ocean:						
Eastern	356,226	3,982,936	4,339,162	401,435	3,984,247	4,385,682
Western	37,311	4,166,674	4,203,985	55,479	3,864,908	3,920,387
Pacific Ocean:						
Northeast	70,986	2,839,939	2,910,925	84,305	2,778,370	2,862,675
Northwest	8,229,590	24,606,690	32,836,280	8,752,088	24,772,561	33,524,649
Eastern central	45,278	1,647,981	1,693,259	52,749	1,361,434	1,414,183
Western central	494,656	9,114,173	9,608,829	523,332	9,279,250	9,802,582
Southeast	409,358	14,407,215	14,816,573	444,738	8,040,608	8,485,346
Southwest	89,817	820,212	910,029	106,038	854,809	960,847
Antarctic	-	93,205	93,205	-	92,276	92,276
Inland Areas						
Africa	98,355	1,969,434	2,067,789	159,471	1,967,411	2,126,882
Asia	16,524,922	4,609,331	21,134,253	17,603,550	5,015,999	22,619,549
Europe	429,807	406,403	836,210	430,507	454,993	885,500
North America	390,506	204,735	595,241	392,340	212,708	605,048
South America	131,762	321,662	453,424	137,854	330,251	468,105
Oceania	3,356	20,788	24,144	3,486	22,079	25,565
Total	28,824,238	93,619,054	122,443,292	30,863,067	86,299,353	117,162,420

Note:--Data for marine mammals and aquatic plants are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO).

WORLD IMPORTS AND EXPORTS OF SEVEN FISHERY COMMODITY GROUPS, BY LEADING COUNTRIES, 1994-98

Country	1994	1995	1996	1997	1998
----- Thousand U.S. dollars -----					
IMPORTS:					
Japan	16,140,465	17,853,481	17,023,945	15,539,507	12,826,543
United States	7,043,431	7,141,428	7,080,411	8,138,840	8,578,766
Spain	2,638,737	3,105,684	3,134,893	3,069,601	3,545,751
France	2,796,719	3,221,298	3,194,133	3,062,051	3,505,333
Italy	2,257,462	2,281,316	2,590,985	2,571,868	2,808,587
Germany	2,316,449	2,478,817	2,542,957	2,362,914	2,623,741
United Kingdom	1,880,350	1,910,091	2,065,025	2,141,619	2,384,028
Denmark	1,415,239	1,573,732	1,618,669	1,521,062	1,704,234
Hong Kong	1,647,106	1,831,511	1,928,143	2,096,894	1,611,747
Netherlands	1,017,635	1,191,857	1,141,647	1,107,443	1,230,199
Other Countries	11,968,712	13,529,425	14,907,441	14,964,472	14,158,170
Total	51,122,305	56,118,640	57,228,249	56,576,271	54,977,099
EXPORTS:					
Thailand	4,190,036	4,449,457	4,117,865	4,329,541	4,031,279
Norway	2,718,132	3,122,662	3,415,696	3,399,229	3,661,174
Denmark	2,359,034	2,459,629	2,698,976	2,648,911	2,897,707
China	2,320,125	2,835,021	2,856,986	2,937,281	2,656,117
United States	3,229,585	3,383,589	3,147,858	2,850,311	2,400,338
Canada	2,182,078	2,314,413	2,291,261	2,270,725	2,265,236
Indonesia	1,583,416	1,666,752	1,678,222	1,620,628	1,628,494
Chile	1,303,974	1,704,260	1,697,211	1,781,805	1,596,800
Taiwan	1,804,050	1,809,166	1,762,136	1,779,800	1,579,836
United Kingdom	1,180,158	1,195,477	1,307,859	1,264,447	1,549,305
Other Countries	24,416,772	26,778,308	27,853,752	28,402,497	27,005,955
Total	47,287,360	51,718,734	52,827,822	53,285,175	51,272,241

Note:-- Data for 1994-1997 are revised. Data on imports and exports cover the international trade of 176 countries or areas. The total value of exports is consistently less than the value of imports, probably because charges for insurance, freight, and similar expenses were included in the import value, but not in the export value. The seven fishery commodity groups covered by this table are: 1. Fish, fresh, chilled or frozen; 2. Fish, dried, salted, or smoked; 3. Crustaceans and mollusks, fresh, dried, salted, etc.; 4. Fish products and preparations, whether or not in airtight containers; 5. Crustacean and mollusk products preparations, whether or not in airtight containers; 6. Oils and fats, crude or refined, of aquatic animal origin; and 7. Meals, solubles, and similar animal foodstuffs of aquatic animal origin.
Source:—Food and Agriculture Organization of the United Nations (FAO).

DISPOSITION OF WORLD AQUACULTURE AND COMMERCIAL CATCHES, 1994-98

Item	1994	1995	1996	1997	1998
----- Percent of Total -----					
Marketed fresh	24.1	28.9	31.2	34.5	36.1
Frozen	23.5	23.2	22.6	21.9	22.9
Canned	11.6	11.2	10.6	10.6	11.1
Cured	11.0	10.1	9.7	9.1	9.6
Reduced to meal and oil (1)	28.3	25.0	24.2	22.3	18.8
Miscellaneous purposes	1.5	1.6	1.7	1.6	1.5
Total	100.0	100.0	100.0	100.0	100.0

Note:-- Data for 1994-1997 are revised. Data for marine mammals and aquatic plants are excluded.
(1) Only whole fish destined for the manufacture of oils and meals are included. Raw material for reduction derived from fish primarily destined for marketing fresh, frozen, canned, cured, and miscellaneous purposes is excluded; such waste quantities are included under the other disposition channels.
Source:—Food and Agriculture Organization of the United Nations (FAO).