

## WORLD AQUACULTURE AND COMMERCIAL CATCHES, 1990-99

Year	World aquaculture			World commercial catch			Grand Total
	Inland	Marine	Total	Inland	Marine	Total	
	----- Metric tons ----- Live weight			----- Metric tons ----- Live weight			
1990	8,078,609	4,995,719	13,074,328	6,451,259	79,101,299	85,552,558	98,626,886
1991	8,368,459	5,371,579	13,740,038	6,212,660	78,332,030	84,544,690	98,284,728
1992	9,303,412	6,123,867	15,427,279	6,149,462	79,268,731	85,418,193	100,845,472
1993	10,501,604	7,333,308	17,834,912	6,533,030	80,055,436	86,588,466	104,423,378
1994	12,076,448	8,687,421	20,763,869	6,719,851	84,866,032	91,585,883	112,349,752
1995	14,043,180	10,449,864	24,493,044	7,264,708	84,606,586	91,871,294	116,364,338
1996	15,891,101	10,856,257	26,747,358	7,397,876	86,133,131	93,531,007	120,278,365
1997	17,485,633	11,242,532	28,728,165	7,505,685	86,260,651	93,766,336	122,494,501
1998	18,658,642	12,134,859	30,793,501	7,948,993	78,984,128	86,933,121	117,726,622
1999	20,022,908	13,287,441	33,310,349	8,260,155	84,606,398	92,866,553	126,176,902

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, 1998-99

Species group	1998			1999		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----- Metric tons ----- Live-weight			----- Metric tons ----- Live-weight		
Herrings, sardines, anchovies	-	16,713,557	16,713,557	-	22,715,856	22,715,856
Carp, barbels, cyprinids	14,060,568	590,924	14,651,492	14,901,545	764,963	15,666,508
Cods, hakes, haddocks	148	10,315,000	10,315,148	149	9,405,265	9,405,414
Jacks, mullets, sauries	201,542	8,486,225	8,687,767	208,929	7,715,792	7,924,721
Redfish, basses, congers	201,926	7,017,982	7,219,908	232,037	6,832,401	7,064,438
Tunas, bonitos, billfishes	5,140	5,783,867	5,789,007	6,365	5,975,643	5,982,008
Mackerel, snoeks, cutlassfishes	-	5,045,631	5,045,631	-	5,114,146	5,114,146
Salmons, trouts, smelts	1,290,118	887,235	2,177,353	1,391,615	911,630	2,303,245
Tilapias	960,370	601,075	1,561,445	1,099,268	636,164	1,735,432
Flatfish	33,445	930,513	963,958	33,050	957,691	990,741
Shads	-	791,021	791,021	-	842,392	842,392
Sharks, rays, chimaeras	-	806,066	806,066	-	822,189	822,189
River eels	226,124	12,287	238,411	227,704	11,728	239,432
Sturgeons, paddlefish	2,034	3,777	5,811	2,706	2,950	5,656
Other fishes	3,068,623	15,306,125	18,374,748	3,358,417	15,922,004	19,280,421
Shrimp	1,074,878	2,740,140	3,815,018	1,130,737	2,890,784	4,021,521
Crabs	79,621	1,215,470	1,295,091	103,650	1,190,814	1,294,464
Lobsters	40	296,024	296,064	58	312,914	312,972
Krill	-	81,216	81,216	-	103,318	103,318
Other crustaceans	298,741	2,044,692	2,343,433	349,497	1,788,432	2,137,929
Oysters	3,539,385	160,303	3,699,688	3,711,606	157,538	3,869,144
Clams, cockles, arkshells	2,262,637	826,861	3,089,498	2,744,846	812,501	3,557,347
Squids, cuttlefishes, octopus	33	2,633,270	2,633,303	33	3,373,463	3,373,496
Mussels	1,377,631	250,134	1,627,765	1,451,032	237,823	1,688,855
Scallops	874,630	522,360	1,396,990	951,866	567,507	1,519,373
Abalones, winkles, conchs	3,149	95,945	99,094	2,694	105,047	107,741
Other mollusks	1,123,189	2,152,395	3,275,584	1,270,001	2,093,873	3,363,874
Sea urchins, other echinoderms	30	107,188	107,218	-	118,750	118,750
Miscellaneous	109,499	515,838	625,337	132,544	482,975	615,519
<b>Total</b>	<b>30,793,501</b>	<b>86,933,121</b>	<b>117,726,622</b>	<b>33,310,349</b>	<b>92,866,553</b>	<b>126,176,902</b>

Note:--Data for 1998 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, 1998-99

Country	1998			1999		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	-----Metric tons----- <u>Live-weight</u>			-----Metric tons----- <u>Live-weight</u>		
China	20,795,367	17,229,927	38,025,294	22,789,887	17,240,032	40,029,919
Peru	7,732	4,338,437	4,346,169	8,275	8,429,290	8,437,565
Japan	766,812	5,263,384	6,030,196	759,262	5,176,460	5,935,722
India	2,029,831	3,214,765	5,244,596	2,035,488	3,316,815	5,352,303
Chile	293,044	3,265,383	3,558,427	274,216	5,050,528	5,324,744
United States	445,123	4,708,980	5,154,103	478,679	4,749,645	5,228,324
Indonesia	629,797	3,964,897	4,594,694	647,640	4,149,420	4,797,060
Russian Federation	63,195	4,454,759	4,517,954	68,615	4,141,157	4,209,772
Thailand	607,673	2,900,320	3,507,993	602,807	3,004,900	3,607,707
Norway	408,862	2,850,565	3,259,427	466,035	2,620,073	3,086,108
South Korea	327,462	2,026,934	2,354,396	303,106	2,119,668	2,422,774
Philippines	312,077	1,833,458	2,145,535	328,375	1,870,450	2,198,825
Viet Nam	521,870	1,130,660	1,652,530	594,910	1,200,000	1,794,910
Iceland	3,868	1,681,951	1,685,819	3,897	1,736,267	1,740,164
Bangladesh	514,842	839,141	1,353,983	620,114	924,056	1,544,170
Spain	313,518	1,215,645	1,529,163	317,796	1,167,242	1,485,038
Denmark	42,368	1,557,335	1,599,703	42,653	1,405,011	1,447,664
Malaysia	133,635	1,153,719	1,287,354	155,127	1,251,768	1,406,895
Taiwan	240,435	1,091,768	1,332,203	247,732	1,099,715	1,347,447
Mexico	40,989	1,174,742	1,215,731	48,414	1,202,178	1,250,592
All others	2,295,001	21,036,351	23,331,352	2,517,321	21,011,878	23,529,199
<b>Total</b>	<b>30,793,501</b>	<b>86,933,121</b>	<b>117,726,622</b>	<b>33,310,349</b>	<b>92,866,553</b>	<b>126,176,902</b>

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, 1998-99

Country	1998			1999		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	-----Metric tons----- <u>Live-weight</u>			-----Metric tons----- <u>Live-weight</u>		
<b>Marine Areas</b>						
<b>Atlantic Ocean:</b>						
Northeast	1,236,198	10,950,950	12,187,148	1,330,071	10,489,900	11,819,971
Northwest	69,668	1,965,310	2,034,978	89,557	2,031,043	2,120,600
Eastern central	-	3,786,983	3,786,983	5	3,590,989	3,590,994
Western central	70,043	1,776,660	1,846,703	74,798	1,777,837	1,852,635
Southeast	3,276	1,246,364	1,249,640	2,892	1,250,377	1,253,269
Southwest	15,349	2,326,510	2,341,859	25,424	2,497,129	2,522,553
<b>Mediterranean and Black Sea</b>	327,241	1,406,361	1,733,602	354,731	1,536,148	1,890,879
<b>Indian Ocean:</b>						
Eastern	371,976	4,409,780	4,781,756	391,553	4,553,818	4,945,371
Western	46,403	3,726,554	3,772,957	69,104	3,894,642	3,963,746
<b>Pacific Ocean:</b>						
Northeast	82,296	2,792,459	2,874,755	94,012	2,590,369	2,684,381
Northwest	8,752,368	24,782,356	33,534,724	9,715,417	24,121,117	33,836,534
Eastern central	52,761	1,393,066	1,445,827	49,639	1,443,728	1,493,367
Western central	560,267	9,444,827	10,005,094	584,317	9,754,321	10,338,638
Southeast	440,975	8,028,269	8,469,244	400,091	14,171,040	14,571,131
Southwest	106,038	852,712	958,750	105,830	780,390	886,220
<b>Antarctic</b>	-	94,967	94,967	-	123,550	123,550
<b>Inland Areas</b>						
Africa	163,809	1,985,909	2,149,718	251,021	1,987,411	2,238,432
Asia	17,513,305	4,985,121	22,498,426	18,716,969	5,266,415	23,983,384
Europe	433,631	434,994	868,625	455,151	470,567	925,718
North America	402,211	197,669	599,880	440,518	187,854	628,372
South America	142,180	323,441	465,621	156,169	324,559	480,728
Oceania	3,506	21,859	25,365	3,080	23,349	26,429
<b>Total</b>	<b>30,793,501</b>	<b>86,933,121</b>	<b>117,726,622</b>	<b>33,310,349</b>	<b>92,866,553</b>	<b>126,176,902</b>

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, 1995-99

Country	1995	1996	1997	1998	1999
----- Thousand U.S. dollars -----					
<b>IMPORTS:</b>					
Japan	17,853,481	17,023,945	15,539,507	12,826,543	14,748,712
United States	7,141,428	7,080,411	8,138,840	8,578,766	9,407,307
Spain	3,105,684	3,134,893	3,069,601	3,545,751	3,286,831
France	3,221,298	3,194,133	3,062,051	3,505,333	3,280,940
Italy	2,281,316	2,590,985	2,571,868	2,808,587	2,728,568
Germany	2,478,817	2,542,957	2,362,914	2,623,741	2,288,523
United Kingdom	1,910,091	2,065,025	2,141,619	2,384,028	2,276,998
Denmark	1,573,732	1,618,669	1,521,181	1,704,234	1,771,500
Hong Kong	1,831,511	1,928,143	2,096,894	1,611,747	1,593,661
Canada	1,034,070	1,158,864	1,129,210	1,194,583	1,338,973
Other Countries	13,687,212	14,920,464	15,027,372	14,301,148	14,802,483
<b>Total</b>	<b>56,118,640</b>	<b>57,258,489</b>	<b>56,661,057</b>	<b>55,084,461</b>	<b>57,524,496</b>
<b>EXPORTS:</b>					
Thailand	4,449,457	4,117,865	4,329,541	4,031,279	4,109,860
Norway	3,122,662	3,415,696	3,399,229	3,661,174	3,764,790
China	2,835,021	2,856,986	2,937,281	2,656,117	2,959,530
United States	3,383,589	3,147,858	2,850,311	2,400,338	2,945,014
Denmark	2,459,629	2,698,976	2,648,911	2,897,707	2,884,334
Canada	2,314,413	2,291,261	2,270,725	2,265,236	2,617,759
Taiwan	1,809,166	1,762,132	1,779,800	1,579,836	1,763,572
Netherlands	1,447,239	1,470,046	1,425,544	1,364,809	1,744,665
Chile	1,704,260	1,697,211	1,781,805	1,596,800	1,696,819
Spain	1,190,676	1,447,170	1,471,306	1,529,315	1,604,237
Other Countries	27,002,622	27,892,294	28,525,781	27,205,430	26,787,310
<b>Total</b>	<b>51,718,734</b>	<b>52,797,495</b>	<b>53,420,234</b>	<b>51,188,041</b>	<b>52,877,890</b>

Note:-- Data for 1995-1998 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, 1995-99

Item	1995	1996	1997	1998	1999
----- Percent of Total -----					
Marketed fresh	29.9	31.3	34.2	35.5	35.3
Frozen	23.0	22.7	22.4	23.2	21.6
Canned	11.3	10.8	10.9	11.3	10.8
Cured	10.1	10.0	9.2	9.9	9.3
Reduced to meal and oil (1)	24.0	23.4	21.5	18.3	21.0
Miscellaneous purposes	1.7	1.8	1.8	1.8	2.0
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Note:-- Data for 1995-1998 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).