

**FAO Fisheries Circular No. 228, Rev.1**  
**(Distribution restricted)**

**FES/C228, Rev.1**  
**Statistical standards**

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**QUANTITY CONVERSION FACTORS FOR USE IN  
FISHERY STATISTICS OF THE NORTH ATLANTIC**

**Assembled by**

**The Secretary**  
**Coordinating Working Party on Atlantic Fishery Statistics**  
**FAO Department of Fisheries**



**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS**  
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A vehicle for distribution of short or ephemeral notes, lists, statistical tabulations etc., including provisional versions of documents to be issued later in other series.

## INTRODUCTION

Fisheries Circular No. 157 "Conversion Factors used by Countries Reporting Data on STANA Forms" which was prepared for the Fifth Session of the CWP, Aberdeen, Scotland, 10-14 April 1967, presented for each country fishing in the North Atlantic the conversion factors used to calculate the live weight equivalent of the fish and fish products landed. After a review of this paper, the CWP agreed that its Secretary should "compile lists of all the factors used by member countries for fish landed from the North Atlantic, with individual species arranged by FAO species groups".

Fisheries Circular No. 228 "Quantity Conversion Factors for use in Fishery Statistics of the North Atlantic" was therefore prepared for the Sixth Session of the CWP, Copenhagen, 3-7 February 1969; it showed for each of the species and types of handling and processing the conversion factors used by the various countries fishing in the North Atlantic to convert the landed weight to the original live weight of the fish at the time of capture. The CWP recommended that this Circular should be sent for comments to the countries concerned and that a revised document (the present Circular FEs/C228, Rev. 1) be issued in time for the 1969 ICNAF meeting.

It should also be noted that the need for accurate conversion factors was discussed at the mid-term meeting of the ICNAF Standing Committee on Regulatory Measures, London, 27-29 January 1969 (see ICNAF Commission Document 69/2). This Standing Committee stated that:

"Since catch quotas would be in terms of landed equivalent whole fish, it would be necessary to establish conversion factors where the fish underwent processing at sea, and also the method of treatment of discards. These matters would need to be settled by experts at the time a scheme was formulated in the light of the particular circumstances, and the FAO/ICES/ICNAF Coordinating Working Party on Atlantic Fisheries Statistics (CWP) could advise".

Finally, it should be stressed that, according to the opinions expressed by the CWP at its Fifth and Sixth Sessions, this work is not intended to establish common international factors.

This Circular and its revised versions are intended to stimulate national statistical offices to compare the conversion factors they are now using for individual species and for particular types of dressing with factors used by other countries for the same species and degree of processing or handling. Where such a comparison shows significant differences it would be advisable that the national offices investigate the reasons for such discrepancies and if these reasons could not be established, then the accuracy of the conversion factors should also be tested.

However, it is possible that some of the present discrepancies are due to actual differences in the degree of processing which have not been made clear in the description of the conversion factors, as given by national statistical offices. By moving these factors to more appropriate headings, it might then be possible to eliminate some of these discrepancies and deviations.

It is hoped that the national offices will be able to assist the FAO Secretariat in eliminating all ambiguities and discrepancies, thereby enabling the Secretariat to proceed with the publication of a final version, possibly as an FAO Bulletin of Fishery Statistics, in the not too distant future.

NOTE

All countries of the North Atlantic received from the Secretary of the CWP a letter, dated 12 March 1969, submitting a copy of Fisheries Circular No. 228 for corrections, revisions and comments.

The list below indicates countries from which replies have been received in time for inclusion in the present Circular No. 228, Rev. 1.

Replies are expected from other countries and their contents will be reflected in a future revised issue of this Circular.

Replies  
received  
(by 30 April 1969)

Belgium	
Canada (Maritimes and Quebec)	
Canada (Newfoundland)	
Denmark	X
Finland	X
France	
Iceland	
Ireland	
Germany, Fed. Rep. of	
Greenland	
Netherlands	
Norway	
Poland	X
Portugal	X
Spain	X
Sweden	
UK (England and Wales)	
UK (Scotland)	
United States	X

STURGEONS, PADDLEFISHES

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Sturgeons</u> <u>Acipenseridae</u>	Whole, not dressed	
Belgium	1.00	
	Gutted, head on	
France	1.10	
United States	1.20	
<u>RIVER EELS</u>		
<u>European eel</u> <i>Anguilla anguilla</i>	Whole, not dressed	
Netherlands	1.04	
UK (England and Wales)	1.00	
	Gutted, head on	
France	1.10	
<u>SHADS, MILKFISHES, ETC.</u>		
<u>Shads</u> <i>Alosa</i> spp.	Whole, not dressed	
Netherlands	1.04	
	Gutted, head on	
Canada (Maritimes and Quebec)	1.20	
France	1.10	
Poland	1.11	
	Gutted, head off	
Poland	1.39	

SALMONS, TROUTS, SMELTS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Greater silver smelt</u> <i>Argentina silus</i>	Gutted, head on	
Poland	1.08	
	Gutted, head off	
Poland	1.47	
<u>Atlantic salmon</u> <i>Salmo salar</i>	Gutted, head on	
Canada (Maritimes and Quebec)	1.20	
Denmark	1.20	
Finland	...	Baltic Sea
France	1.15	
Germany, Fed. Rep. of	1.15	
Greenland	1.11	
Netherlands	1.15	
Sweden	1.15	
	Gutted, head off	
Greenland	1.43	
<u>Smelts</u> Osmeridae	Whole, not dressed	
Netherlands	1.04	
	Gutted, head on	
France	1.10	
Iceland	1.08	
<u>Trouts, chars</u> <i>Salmo spp., Salvelinus spp.</i>	Gutted, head on	
Greenland	1.11	
Netherlands	1.15	
	Gutted, head off	
Greenland	1.43	

FLOUNDERS, HALIBUTS, SOLES, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>American plaice</u> <i>Hippoglossoides platessoides</i>	Gutted, head on	
Canada (Maritimes and Quebec)	1.10	
Canada (Newfoundland)	1.10	
Poland	1.18	
	Gutted, head off	
Poland	1.49	
	Fillets, frozen	
Poland	2.32	Skin on
Poland	2.94	Skinless
	Fillets	
Canada (Newfoundland)	3.70	
<u>Brill</u> <i>Scophthalmus rhombus</i>	Gutted, head on	
Belgium	1.08	
Denmark	1.05	
France	1.11	
Germany, Fed. Rep. of	1.11	
Ireland	1.05	
Netherlands	1.11	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
<u>Dab (common)</u> <i>Limanda limanda</i>	Gutted, head on	
Belgium	1.08	
Denmark	1.05	
France	1.11	
Germany, Fed. Rep. of	1.11	
Ireland	1.05	
Netherlands	1.11	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	

FLOUNDERS, HALIBUTS, SOLES, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Flounder (European)</u> <i>Platichthys flesus</i>	Gutted, head on	
Belgium	1.08	
Denmark	1.05	
Germany, Fed. Rep. of	1.11	
Netherlands	1.11	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
<u>Greenland halibut</u> <i>Reinhardtius hippoglossoides</i>	Gutted, head on	
Greenland	1.05	
	Gutted, head off	
Greenland	1.35	
Poland	1.43	
	Frozen	
Norway	1.20	
	Fillets, frozen	
Poland	2.00	Skin on
Poland	2.32	Skinless
<u>Halibut (Atlantic)</u> <i>Hippoglossus hippoglossus</i>	Gutted, head on	
Belgium	1.08	
Canada (Maritimes and Quebec)	1.15	
Canada (Newfoundland)	1.15	
Denmark	1.05	
Germany, Fed. Rep. of	1.11	
Greenland	1.05	
Iceland	1.09	
Netherlands	1.11	
Norway	1.20	
Poland	1.15	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
United States	1.15	

FLOUNDERS, HALIBUTS, SOLES, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Halibut (Atlantic) (concluded)</u> <i>Hippoglossus hippoglossus</i>	Gutted, head off	
Canada (Maritimes and Quebec)	1.35	
Canada (Newfoundland)	1.35	
Greenland	1.35	
Poland	1.33	
	Frozen, head on	
Norway	1.40	
	Frozen, head off	
Germany, Fed. Rep. of	1.43	
	Fillets, frozen	
Poland	1.82	Skin on
Poland	2.04	Skinless
<u>Lemon sole</u> <i>Microstomus kitt</i>	Gutted, head on	
Belgium	1.08	
Denmark	1.05	
Germany, Fed. Rep. of	1.11	
Netherlands	1.11	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
<u>Megrim</u> <i>Lepidorhombus whiffiagonis</i>	Gutted, head on	
Belgium	1.08	
France	1.11	
Germany, Fed. Rep. of	1.11	
Ireland	1.05	
Netherlands	1.11	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	

FLOUNDERS, HALIBUTS, SOLES, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Plaice (European)</u> <i>Pleuronectes platessa</i>	Gutted, head on	
Belgium	1.08	
Denmark	1.05	
France	1.11	
Germany, Fed. Rep. of	1.11	
Iceland	1.09	
Ireland	1.05	
Netherlands	1.11	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
<u>Sole (common)</u> <i>Solea solea</i>	Gutted, head on	
Belgium	1.08	
Denmark	1.05	
France	1.11	
Germany, Fed. Rep. of	1.11	
Ireland	1.05	
Netherlands	1.11	
UK (England and Wales)	1.12	
<u>Turbot</u> <i>Psetta maxima</i>	Gutted, head on	
Belgium	1.08	
Denmark	1.05	
France	1.11	
Germany, Fed. Rep. of	1.11	
Ireland	1.05	
Netherlands	1.11	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	

FLOUNDERS, HALIBUTS, SOLES, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Witch</u>	Gutted, head on	
<i>Glyptocephalus cynoglossus</i>		
Belgium	1.08	
Canada (Maritimes and Quebec)	1.10	
Denmark	1.05	
Germany, Fed, Rep. of	1.11	
Netherlands	1.04	
Poland	1.09	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
	Gutted, head off	
Poland	1.31	
	Fillets, fresh	
Poland	1.92	Skin on
Poland	3.22	Skinless
<u>Various teleostean flatfishes</u>	Gutted, head on	
Canada (Maritimes and Quebec)	1.10	
France	1.10	
Iceland	1.09	
Ireland	1.05	
Poland	1.10	
Sweden	1.04	
	Gutted, head off	
Poland	1.32	
Sweden	1.12	

CODS, HAKES, HADDOCKS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Blue ling</u> <i>Molva byrkelange</i>	Gutted, head on	
Germany, Fed. Rep. of	1.18	
Iceland	1.25	
Norway	1.40	
<u>Cod</u> <i>Gadus morhua</i>	Gutted, head on	
Belgium	1.18	
Canada (Maritimes and Quebec)	1.20	
Canada (Newfoundland)	1.20	
Denmark	1.18	
France	1.24	
Germany, Fed. Rep. of	1.24	
Greenland	1.22	
Iceland	1.25	
Ireland	1.10	
Netherlands	1.24	
Norway	1.40	
Poland	1.17	Baltic Sea
Poland	1.19	Northwest Atlantic
Spain	1.33	
Sweden	1.18	
UK (England and Wales)	1.20	
UK (Scotland)	1.20	
United States	1.17	
	Gutted, head off	
Canada (Newfoundland)	1.60	
Denmark	1.60	
Greenland	1.52	
Poland	1.68	Baltic Sea
Poland	1.78	Northwest Atlantic
Sweden	1.40	
	Gutted and gilled	
Canada (Newfoundland)	1.26	
	Frozen, head off	
Norway	1.54	

CODS, HAKES, HADDOCKS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Cod (concluded)</u> <i>Gadus morhua</i>	Salted	
Canada (Newfoundland)	4.88	Light-salted
Canada (Newfoundland)	2.70	Heavy-salted
France	3.00	
Germany, Fed. Rep. of	2.74	
Iceland	2.28	Landed in domestic ports
Iceland	2.50	Landed abroad
Iceland	2.77	Wet-cured
Norway	2.99	
Portugal	3.00	Green-salted
Spain	3.00	Green-salted
	Fillets, fresh	
Poland	2.56	Baltic Sea, skin on
	Fillets, frozen	
Canada (Newfoundland)	3.70	
France	2.85	
Germany, Fed. Rep. of	2.81	
Norway	3.50	
Poland	2.78	Northwest Atlantic, skin on
Poland	3.12	Northwest Atlantic, skinless
Poland	4.00	Northwest Atlantic, boneless
	Fillets, salted	
Germany, Fed. Rep. of	4.31	
Germany, Fed. Rep. of	4.80	Skinless
<u>Haddock</u> <i>Melanogrammus aeglefinus</i>	Gutted, head on	
Belgium	1.18	
Canada (Newfoundland)	1.20	
Denmark	1.18	For food
France	1.17	
Germany, Fed. Rep. of	1.20	
Iceland	1.25	
Ireland	1.10	
Netherlands	1.17	
Norway	1.30	
Poland	1.16	
UK (England and Wales)	1.20	
UK (Scotland)	1.12	
United States	1.14	

CODS, HAKES, HADDOCKS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Haddock (concluded)</u> <i>Melanogrammus aeglefinus</i>	Gutted, head off	
Canada (Maritimes and Quebec)	1.60	
Poland	1.64	
	Salted	
Norway	2.24	
Portugal	3.00	Green-salted
	Fillets, frozen	
Germany, Fed. Rep. of	2.50	
Poland	2.38	Skin on
Poland	2.70	Skinless
<u>Hake (European)</u> <i>Merluccius merluccius</i>	Gutted, head on	
Belgium	1.18	
Denmark	1.18	
France	1.17	
Germany, Fed. Rep. of	1.17	
Ireland	1.10	
Netherlands	1.17	
Norway	1.40	
UK (England and Wales)	1.20	
UK (Scotland)	1.12	
	Gutted, head off	
Poland	1.67	
	Fillets, frozen	
Poland	2.27	Skin on

CODS, HAKES, HADDOCKS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Ling</u>	Gutted, head on	
<i>Molva molva</i>		
Belgium	1.18	
Denmark	1.18	
France	1.18	
Germany, Fed. Rep. of	1.18	
Iceland	1.25	
Netherlands	1.18	
Norway	1.40	
Sweden	1.10	Deep-sea fisheries
Sweden	1.18	
UK (England and Wales)	1.12	
UK (Scotland)	1.20	
	Salted at sea	
Sweden	1.30	
<u>Pollack</u>	Gutted, head on	
<i>Pollachius pollachius</i>		
Belgium	1.18	
Germany, Fed. Rep. of	1.16	
Ireland	1.10	
Netherlands	1.16	
Norway	1.30	
Poland	1.14	
UK (England and Wales)	1.12	
UK (Scotland)	1.20	
	Gutted, head off	
Poland	1.54	
	Fillets, frozen	
Poland	2.17	Skin on
Poland	2.44	Skinless
<u>Pouting</u>	Gutted, head on	
<i>Gadus luscus</i>		
Belgium	1.18	
France	1.21	

CODS, HAKES, HADDOCKS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Saithe (Pollock)</u> <i>Pollachius virens</i>	Gutted, head on	
Belgium	1.18	
Canada (Newfoundland)	1.20	
Denmark	1.18	
France	1.24	
Germany, Fed. Rep. of	1.24	
Iceland	1.25	
Netherlands	1.24	
Norway	1.35	
UK (England and Wales)	1.12	
UK (Scotland)	1.20	
United States	1.13	
	Split	
Canada (Maritimes and Quebec)	1.70	
	Frozen , head off	
Germany, Fed. Rep. of	1.59	
	Fillets, frozen	
Germany, Fed. Rep. of	3.10	
	Salted	
Germany, Fed. Rep. of	2.74	
	Fillets, salted	
Germany, Fed. Rep. of	4.15	Skinless
<u>Silver hake</u> <i>Merluccius bilinearis</i>	Gutted, head on	
United States	1.66	

CODS, HAKES, HADDOCKS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Tusk (cusk)</u> <i>Brosme brosme</i>	Gutted, head on	
Belgium	1.18	
Germany, Fed, Rep. of	1.17	
Iceland	1.11	
Netherlands	1.17	
Sweden	1.18	
UK (England and Wales)	1.12	
UK (Scotland)	1.20	
United States	1.13	
	Green-salted	
Canada (Maritimes and Quebec)	2.70	
Norway	2.41	
	Frozen	
Norway	1.40	
<u>White hake</u> <i>Urophycis tenuis</i>	Gutted, head on	
Canada (Newfoundland)	1.20	
Poland	1.31	
	Gutted, head off	
Poland	1.72	
United States	1.34	
	Fillets, frozen	
Poland	2.17	Skin on
Poland	2.44	Skinless
<u>Red hake</u> <i>Urophycis chuss</i>	Gutted, head off	
Poland	1.72	

CODS, HAKES, HADDOCKS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>White and red hakes</u> <i>Urophycis</i> spp.	Green-salted	
Canada (Maritimes and Quebec)	2.70	
<u>Whiting</u> <i>Merlangius merlangus</i>	Gutted, head on	
Belgium	1.18	
Denmark	1.18	For food
France	1.21	
Germany, Fed. Rep. of	1.21	
Iceland	1.25	
Ireland	1.10	
Netherlands	1.21	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
<u>Various gadoids</u>	Gutted, head on	
France	1.10	
Ireland	1.10	
Netherlands	1.04	
Sweden	1.18	

REDFISHES, BASSES, CONGERS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Anglerfishes</u>		
<u>Lophiidae</u>		
	Gutted, head on	
France	1.20	
UK (England and Wales)	1.12	
UK (Scotland)	1.20	
	Gutted, head off	
Belgium	2.00	
Germany, Fed. Rep. of	3.25	
Netherlands	3.00	
Poland	4.35	
Sweden	2.86	
<u>Congers</u>		
<u>Congridae</u>		
	Whole, not dressed	
Belgium	1.00	
Netherlands	1.04	
	Gutted, head on	
France	1.10	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
<u>Greater weever</u>		
<u>Trachinus draco</u>		
	Whole, not dressed	
Belgium	1.00	
Netherlands	1.04	
<u>Gurnards</u>		
<u>Triglidae</u>		
	Whole, not dressed	
Belgium	1.00	
France	1.04	
Germany, Fed. Rep. of	1.04	
Netherlands	1.04	
	Gutted, head on	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	

REDFISHES, BASSES, CONGERS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>John Dories</u> Zeidae	Gutted, head on	
UK (England and Wales)	1.12	
<u>Lumpsuckers</u> Cyclopteridae	Gutted, head off	
Sweden	1.65	
<u>Redfishes</u> <i>Sebastes</i> spp.	Whole, not dressed	
Belgium	1.00	
UK (England and Wales)	1.00	
	Gutted, head on	
Canada (Maritimes and Quebec)	1.20	
France	1.07	
Germany, Fed. Rep. of	1.07	
Iceland	1.06	
Netherlands	1.07	
Poland	1.11	
UK (Scotland)	1.12	
	Gutted, head off	
Poland	1.82	
	Frozen	
Germany, Fed. Rep. of	1.53	
	Fillets, frozen	
Canada (Newfoundland)	3.60	
Germany, Fed. Rep. of	3.00	
Norway	2.89	
Poland	3.12	
Poland	3.70	Skinless

REDFISHES, BASSES, CONGERS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Sandeels</u>	Whole, not dressed	
<u>Ammodytidae</u>		
Germany, Fed. Rep. of	1.04	
Netherlands	1.04	
	Gutted, head on	
Ireland	1.10	
<u>Sea-basses</u>	Whole, not dressed	
<u>Serranidae</u>		
Netherlands	1.04	
	Gutted, head on	
Canada (Maritimes and Quebec)	1.20	
France	1.10	
Poland	1.09	
	Gutted, head off	
Poland	1.78	
<u>Sea-breems</u>	Whole, not dressed	
<u>Sparidae</u>		
Belgium	1.00	
Netherlands	1.04	
	Gutted, head on	
France	1.11	
Poland	1.11	
UK (England and Wales)	1.12	
	Gutted, head off	
Poland	1.61	

REDFISHES, BASSES, CONGERS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Surmulletts</u>	Whole, not dressed	
<u>Mullidae</u>		
Belgium	1.00	
France	1.04	
Netherlands	1.04	
UK (England and Wales)	1.00	
<u>Tilefishes</u>	Gutted, head on	
<u>Latilidae</u>		
United States	1.09	
<u>Wolffishes (catfishes)</u>	Gutted, head on	
<u>Anarhichadidae</u>		
Belgium	1.18	
Canada (Newfounland)	1.20	
Greenland	1.15	
Germany, Fed. Rep. of	1.30	
Iceland	1.11	
Netherlands	1.30	
Norway	1.00	
Poland	1.18	
Sweden	1.18	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
United States	1.20	
	Gutted, head off	
Poland	1.54	
	Green-salted	
Canada (Maritimes and Quebec)	2.70	
	Frozen, head off	
Germany, Fed. Rep. of	1.66	
	Fillets, frozen	
Germany, Fed. Rep. of	3.25	
Poland	2.77	Skinless

REDFISHES, BASSES, CONGERS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Various demersal percomorphs</u>	Gutted, head on	
France	1.10	
United States	1.09	
	Gutted, head off	
Canada (Maritimes and Quebec)	3.50	
	Green-salted	
Canada (Maritimes and Quebec)	2.70	

JACKS, MULLET, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Bluefish</u> <i>Pomatomus saltatrix</i>	Gutted, head on	
Poland	1.11	
United States	1.09	
	Gutted, head off	
Poland	1.56	
<u>Garfish</u> <i>Belone belone</i>	Whole, not dressed	
Germany, Fed. Rep. of	1.04	
Netherlands	1.04	
<u>Horse mackerels</u> <i>Trachurus spp.</i>	Whole, not dressed	
Belgium	1.00	
France	1.04	
Germany, Fed. Rep. of	1.04	
Netherlands	1.04	
	Gutted, head on	
Poland	1.09	
	Gutted, head off	
Poland	1.56	
<u>Mullet</u> Mugilidae	Whole, not dressed	
Netherlands	1.04	
	Gutted, head on	
France	1.10	
UK (England and Wales)	1.12	

HERRINGS, SARDINES, ANCHOVIES, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Anchovy</u> <i>Engraulis encrasicolus</i>	Whole, not dressed	
France	1.04	
Netherlands	1.04	
<u>Herring (Atlantic)</u> <i>Clupea harengus</i>	Whole, not dressed	
Belgium	1.00	
France	1.04	
Netherlands	1.04	Fresh and young
	Gutted, head on	
Germany, Fed. Rep. of	1.08	
	Gutted, head off	
Finland	1.33	Salted at sea
	Salted	
Germany, Fed. Rep. of	1.36	
Netherlands	1.36	Maatje, full, shotten
Poland	1.18	Whole
Poland	1.33	Gibbed, full
Poland	1.46	Nobbed, full
Poland	1.55	Nobbed, shotten
	Salted at sea	
Netherlands	1.25	
Sweden	1.25	
	Nobbed	
Poland	1.23	Full
Poland	1.31	Shotten
	Fillets, frozen	
Germany, Fed. Rep. of	1.92	
Poland	2.00	Skin on

HERRINGS, SARDINES, ANCHOVIES, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Pilchard (European)</u> <i>Sardina pilchardus</i>	Whole, not dressed	
Belgium	1.00	
France	1.04	
Germany, Fed. Rep. of	1.04	
Netherlands	1.04	
<u>Sprat</u> <i>Sprattus sprattus</i>	Whole, not dressed	
Belgium	1.00	
France	1.04	
Germany, Fed. Rep. of	1.04	
Netherlands	1.04	
<u>Various marine clupeoids</u>	Whole, not dressed	
Belgium	1.00	
France	1.04	

TUNAS, BONITOS, SKIPJACKS

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Atlantic bonito</u>	Gutted, head off	
<i>Sarda sarda</i>		
Poland	1.43	
<u>Tunas</u>	Gutted head on, fresh	
Thunnidae		
Denmark	1.33	
	Head off, fresh	
Canada (Maritimes and Quebec)	1.25	
France	1.20	
Germany, Fed. Rep. of	1.20	
Netherlands	1.20	
Norway	1.20	
Sweden	1.25	
	Head off, frozen	
Norway	1.29	
<u>Tuna-like scombriforms</u>	Whole, not dressed	
France	1.04	

MACKERELS, BILLFISHES, CUTLASSFISHES, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Mackerels</u> <i>Scomber</i> spp.	Whole, not dressed	
Belgium	1.00	
France	1.04	
Netherlands	1.04	
	Gutted, head on	
Germany, Fed. Rep. of	1.08	
Poland	1.11	
Sweden	1.30	
	Gutted, head off	
Poland	1.47	
	Fillets, frozen	
Poland	1.96	Skin on
	Nobbed	
Poland	1.54	
<u>Swordfish</u> <i>Xiphias gladius</i>	Gutted, head off	
Canada (Maritimes and Quebec)	1.25	
United States	1.25	
<u>Various mackerel-like scombriforms</u>	Whole, not dressed	
France	1.04	

SHARKS, RAYS, CHIMAERAS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Dogfishes</u>	Whole, not dressed	
<i>Squaliformes</i>		
Belgium	1.00	
	Gutted, head on	
Belgium	1.11	
France	1.10	
Iceland	1.11	
Norway	1.10	
UK (England and Wales)	1.12	
UK (Scotland)	1.12	
	Gutted, head off	
Germany, Fed. Rep. of	1.33	
Sweden	1.25	
<u>Picked dogfish</u>	Whole, not dressed	
<i>Squalus acanthias</i>		
Belgium	1.00	
Netherlands	1.04	
	Gutted, head off	
Denmark	1.33	
<u>Porbeagles</u>	Whole, not dressed	
<i>Lamna spp.</i>		
Belgium	1.00	
	Gutted, head on	
UK (Scotland)	1.12	
	Gutted, head off	
Denmark	1.33	
Iceland	1.25	
	Frozen	
Norway	1.30	

SHARKS, RAYS, CHIMAERAS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Rays</u> <u>Raiiformes</u>	Whole, not dressed	
Belgium	1.00	
	Gutted, head on	
Belgium	1.18	
France	1.21	
Germany, Fed. Rep. of	1.21	
Ireland	1.15	
Netherlands	1.21	
UK (England and Wales)	1.12	
	Gutted, head off	
Denmark	1.33	
Sweden	1.63	
<u>Sharks</u> <u>Squalidae</u>	Whole, not dressed	
Netherlands	1.04	
	Gutted, head on	
France	1.10	
	Gutted, head off	
France	1.33	
Iceland	1.25	
United States	1.20	
	Gutted, frozen	
Norway	1.30	
<u>Skates</u> <u>Raiiformes</u>	Whole, not dressed	
Belgium	1.00	

SHARKS, RAYS, CHIMAERAS, ETC.

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Skates (concluded)</u>	Gutted, head on	
<u>Raiiformes</u>		
Germany, Fed. Rep. of	1.21	
Ireland	1.15	
Iceland	1.11	
Iceland	2.22	Wings
Netherlands	1.21	
UK (England and Wales)	1.12	
UK (Scotland)	1.20	
	Gutted, head off	
Canada (Maritimes and Quebec)	4.00	Wings
Denmark	1.33	
Sweden	1.68	

CRUSTACEANS

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Common shrimp</u> <i>Crangon vulgaris</i>	Cooked	
Belgium	1.25	
France	1.18	
Germany, Fed. Rep. of	1.18	For food
Netherlands	1.18	For food and for meal
<u>Edible crab</u> <i>Cancer pagurus</i>	Cooked and dressed	
Belgium	1.50	
<u>Norway lobster</u> <i>Nephrops norvegicus</i>	Whole, not dressed	
Belgium	1.00	
France	1.05	
	Frozen, tails	
France	2.50	
Iceland	3.25	
<u>Prawns</u> Natantia	Cooked	
France	1.18	
Sweden	1.15	
<u>Various marine crustaceans</u>		
France	1.18	

MOLLUSCS

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Conchs</u> <i>Strombus</i> spp., <i>Busycon</i> spp.	Shucked	
United States	3.14	
<u>Hard clams</u> <i>Venus mercenaria</i> , <i>Mercenaria mercenaria</i>	Shucked	
United States	7.51	
<u>Mussels</u> Mitilidae	Unshucked	
France	1.00	
	Cleaned	
Netherlands	1.15	
	Shucked	
Canada (Newfoundland)	5.50	
United States	5.86	
<u>Oysters</u> <i>Ostrea edulis</i> , <i>Crassostrea</i> spp.	Unshucked	
France	1.00	
	Shucked	
United States	15.08	
<u>Periwinkles</u> <i>Littorina</i> spp.	Shucked	
United States	4.17	

MOLLUSCS

Factors used to convert landed or product weight  
to live weight

Species, country	Degree of handling, Conversion factor	Remarks
<u>Razor clam</u> <i>Esis directus</i>	Shucked	
United States	2.81	
<u>Scallops</u> <i>Placopecten magellanicus</i> <i>Aequipecten irradians</i>	Shucked	
Canada (Maritimes and Quebec)	8.30	
United States	8.33	Sea scallop
United States	8.24	Bay scallop
<u>Soft clam</u> <i>Mya arenaria</i>	Shucked	
Canada (Maritimes and Quebec)	5.50	
United States	4.90	
<u>Squids</u> <i>Sepia vulgaris, Loligo forbesi</i>	Unshucked	
Belgium	1.00	
<u>Surf clam</u> <i>Spisula solidissima</i>	Shucked	
United States	5.24	
<u>Ocean quahog</u> <i>Arctica islandica</i>	Shucked	
United States	8.00	