

Key figures from Norwegian Aquaculture industry 2024

Rapport

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Key figures from Norwegian Aquaculture Industry 2024

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Summary

This report presents key figures from the Norwegian Aquaculture Industry. The report contains information about all species framed in Norway.

The information is grouped in four groups. Where one group contains information about Atlantic salmon and Rainbow trout. Another group contains information about other fish species than salmon and trout, a third group contains information about molluscs, crustaceans, and echinoderms and finally the fourth group contains information about algae.



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1. Licenses

1.1. Granted licenses

Figure 1. Number of licenses 2014-2024

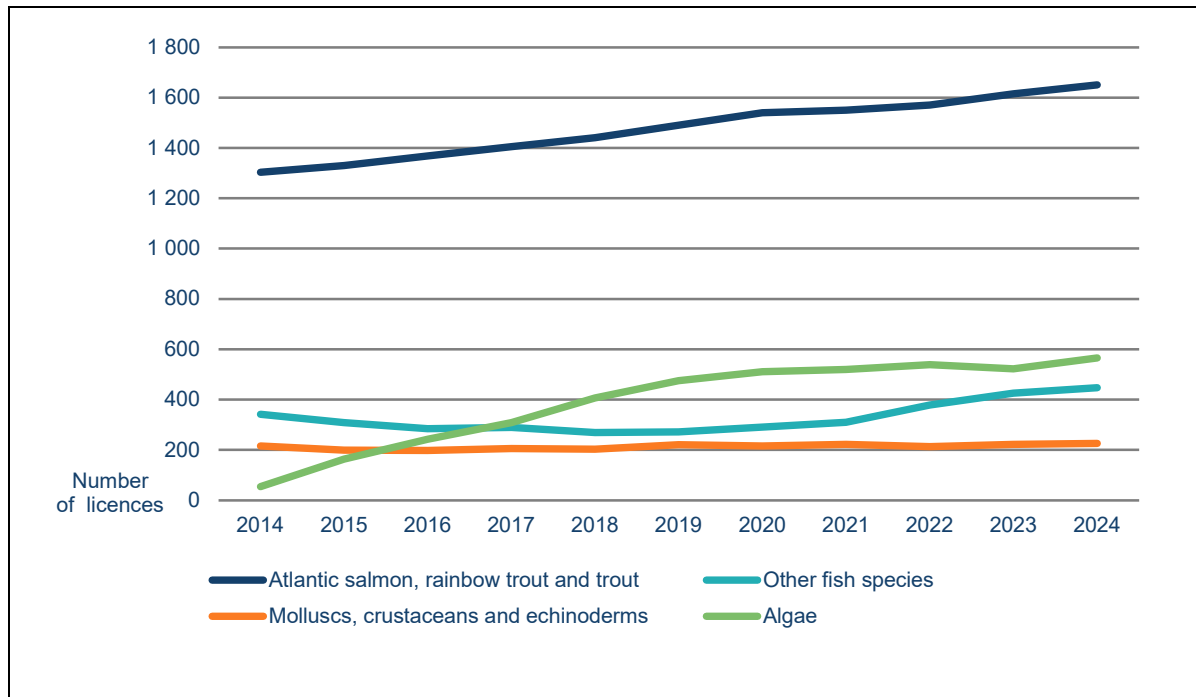


Figure 2. Licenses per 31 December 2024

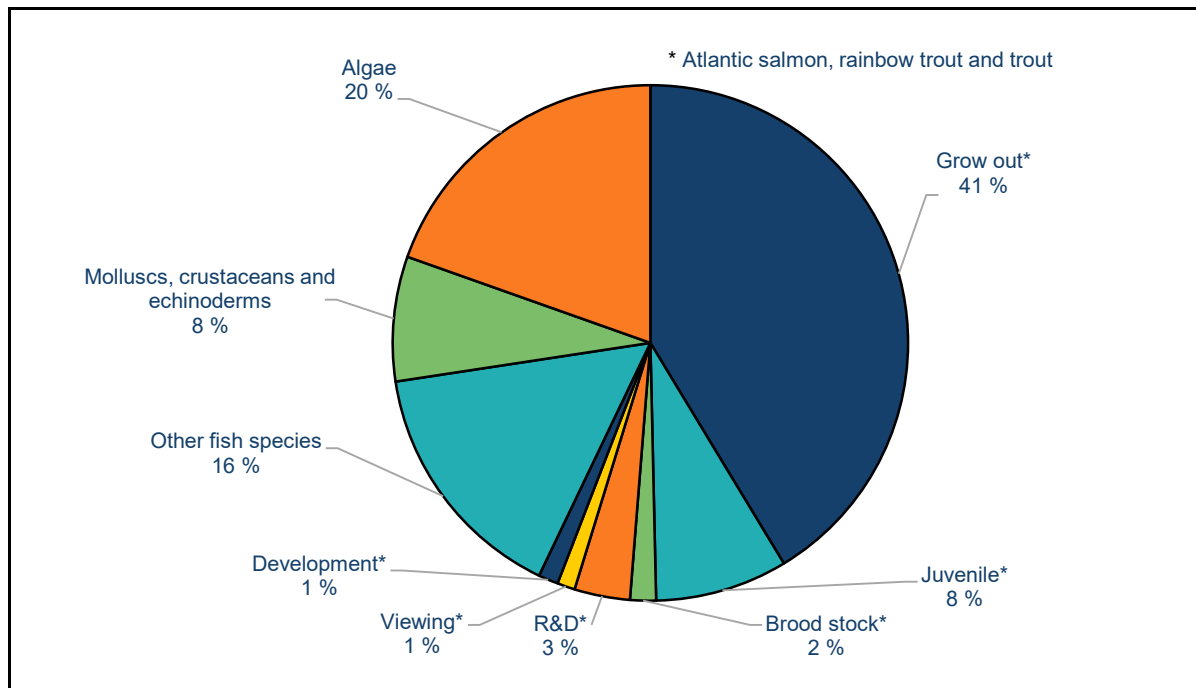


Table 1. Atlantic salmon, rainbow trout and trout. Commercial licenses per 31 December 2024.

	Juvenile	Grow out
<i>County</i>	Number of licenses	Number of licenses
Finnmark	9	116
Troms	13	125
Nordland	39	239
Trøndelag	39	206
Møre og Romsdal	31	119
Vestland	78	269
Rogaland	18	66
Agder	6	28
Other counties	7	27
Total	240	1 195

Table 2. Atlantic salmon, rainbow trout and trout. Licenses with special purpose per 31 December 2024. Number of licenses

<i>County</i>	Brood stock	R&D ¹⁾	Development	Viewing
Finnmark	0	7	0	1
Troms	1	12	8	4
Nordland	12	20	8	10
Trøndelag	11	18	4	4
Møre og Romsdal	5	6	3	3
Vestland	10	24	5	8
Rogaland	5	12	0	1
Agder	1	1	0	1
Other counties	2	1	0	0
Offshore	0	0	8	0
Total	47	101	36	32

¹⁾ Research and education

Table 3. Atlantic salmon, rainbow trout and trout. Licenses per 31 December 2024 by production area¹⁾.

<i>Area</i>	Numbers of licenses
1. Svenskegrense til Jæren	26
2. Ryfylke	54
3. Karmøy til Sotra	114
4. Nordhordland til Stadt	137
5. Stadt til Hustadvika	73
6. Nordmøre og Sør-Trøndelag	176
7. Nord-Trøndelag med Bindal	75
8. Helgeland til Bodø	111
9. Vestfjorden og Vesterålen	133
10. Andøya til Kvaløya	73
11. Kvaløya til Senja	59
12. Vest-Finnmark	98
13. Øst-Finnmark	16
Total	1 145

¹⁾ Only licenses covered by the production area regulations

Table 4. Other species. Licenses per 31 December 2024 by county

	Fish	Molluscs, crustaceans, and echinoderms	Sea Ranching	Algae
County	Number of licenses	Number of licenses	Number of licenses	Number of licenses
Finnmark	13	4	0	4
Troms	28	8	0	9
Nordland	63	42	0	151
Trøndelag	61	50	1	28
Møre og Romsdal	78	12	1	16
Vestland	127	72	1	338
Rogaland	32	22	3	2
Agder	15	13	2	16
Other counties	30	10	0	2
Total	447	233	8	566

Table 5. Other species. Licenses per 31 December by species

Other fish species		Molluscs, crustaceans, and echinoderms		Algae	
Species	No.	Species	No.	Species	No.
Atlantic halibut	83	Blue mussel	124	Sea belt	135
Turbot	37	European lobster	31	Babberlocks	113
Wrasse	229	Great Atlantic scallop	43	Tangle	125
Lumpfish	82	Sea urchin	71	Dulse	107
Arctic char	59	Flat and cupped oyster	49	Other's species	465
Atlantic cod	218	Other species	696		
Other species	805				

The licenses for fish species, molluscs, crustaceans, and echinoderms are comprised of several species. In Table 5 licenses are counted several times. The total number of licenses in Table 5 is therefore higher than the total number of licenses presented in Table 4.

1.2. Licenses with production

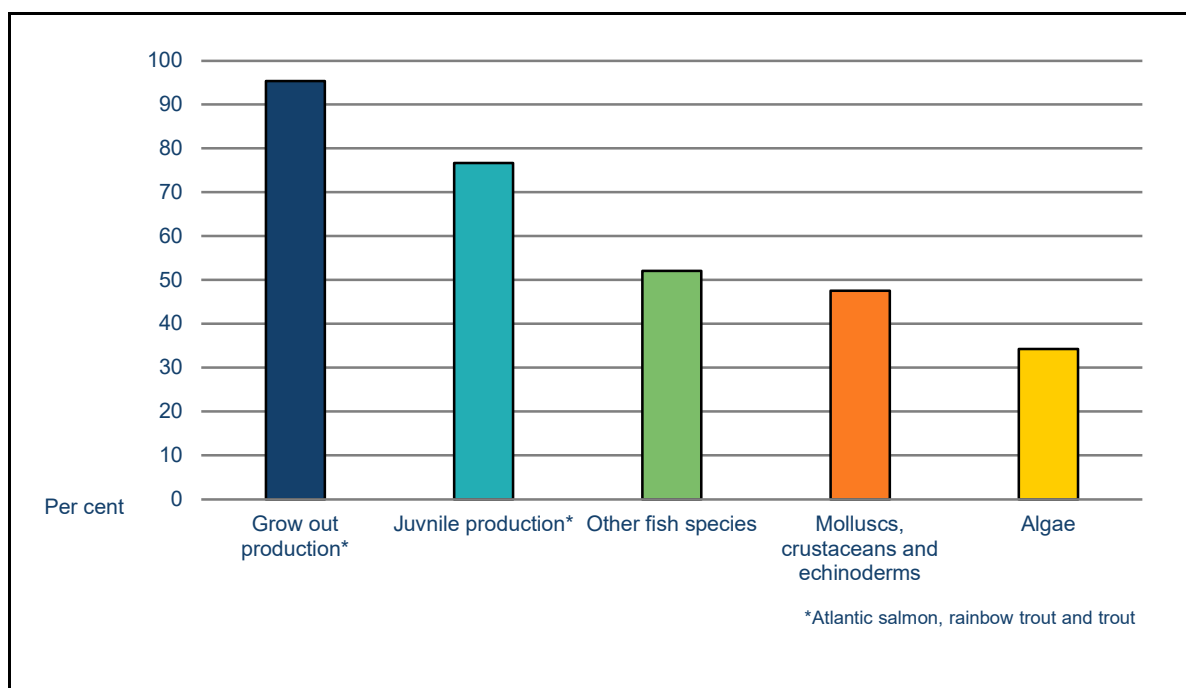
Table 6. Fish. Licenses with production in 2024

County	Atlantic salmon, rainbow trout and trout		Other fish species	
	Grow out	Hatcheries	Grow out	Hatcheries
Finnmark	121	4	1	0
Troms	148	11	5	4
Nordland	269	30	25	13
Trøndelag	235	35	16	7
Møre og Romsdal	131	21	39	8
Vestland	291	63	43	27
Rogaland	75	14	12	9
Other counties	46	6	11	13
Total	1 316	184	152	81

Table 7. Molluscs, crustaceans, echinoderms, and algae. Licenses with production in 2024

County	Molluscs, crustaceans, and echinoderms	Algae
Finnmark and Troms	1	4
Nordland	34	65
Trøndelag	42	5
Møre og Romsdal	3	4
Vestland	13	114
Rogaland	9	0
Other counties	9	2
Total	111	194

Figure 3. The percentage of licenses with production 2024



2. License capacity

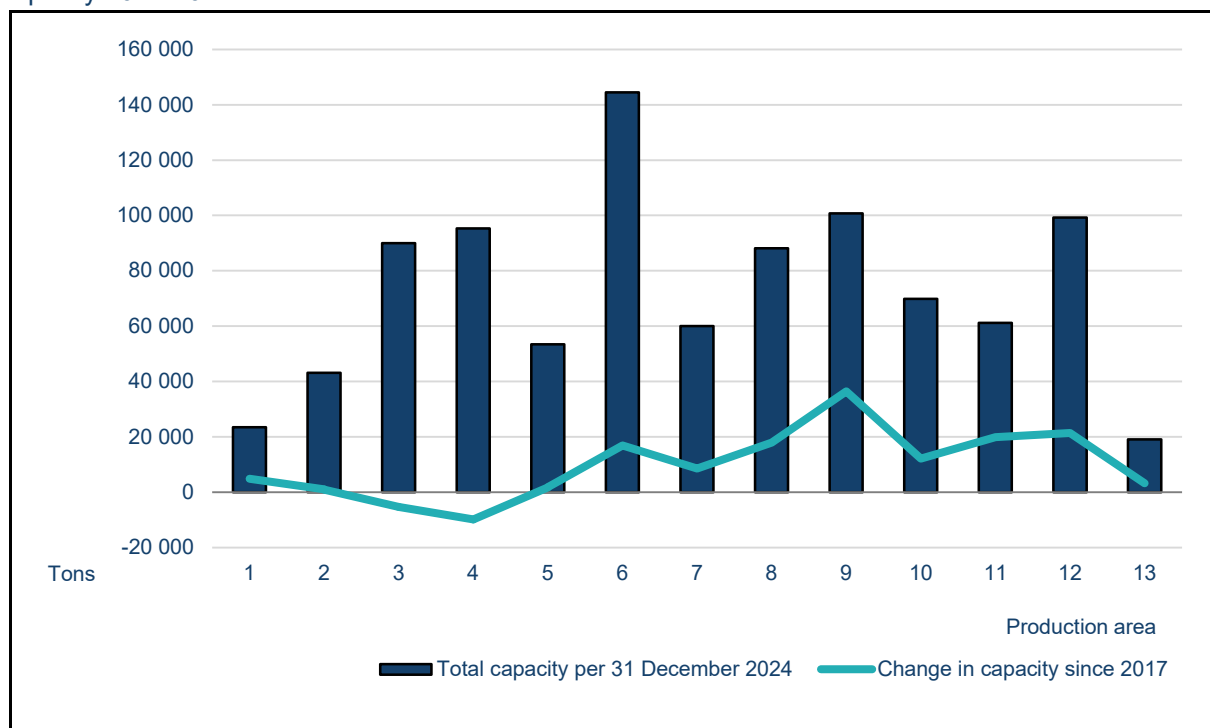
License capacity is measured as daily maximum allowed biomass of live fish. Where biomass is the quantity of live fish at any given time (measured in kg or ton)

Table 8. Atlantic salmon and rainbow trout. License capacity per production area¹⁾ per 31 December 2024

Production area	Tons
1. Svenskegrense til Jæren	23 388
2. Ryfylke	43 100
3. Karmøy til Sotra	89 946
4. Nordhordland til Stadt	95 292
5. Stadt til Hustadvika	53 397
6. Nordmøre og Sør-Trøndelag	144 526
7. Nord-Trøndelag med Bindal	60 023
8. Helgeland til Bodø	88 099
9. Vestfjorden og Vesterålen	100 778
10. Andøya til Kvaløya	69 851
11. Kvaløya til Senja	61 154
12. Vest-Finnmark	99 294
13. Øst-Finnmark	19 095
Total	947 943

¹⁾ Only capacity covered by the production area regulations. Capacity measured as daily maximum allowed biomass of live fish.

Figure 4. Total license capacity per 31 December 2024 by production area¹⁾, and changes in the capacity 2017-2024



¹⁾ Only licences covered by the production area regulations

3. Production sites

Table 9. Number of production sites in seawater per 31 December 2024

	Atlantic salmon and rainbow trout	Other fish species	Molluscs, crustaceans, and echinoderms	Algae
County	Number	Number	Number	Number
Finnmark	83	1	1	1
Troms	117	9	3	7
Nordland	217	16	37	19
Trøndelag	157	13	43	13
Møre og Romsdal	78	16	3	11
Vestland	273	20	38	58
Rogaland	59	3	4	2
Agder	10	0	6	5
Other counties	0	0	2	1
Total	994	78	137	117

Table 10. Number of production sites on land per 31. December 2024 for production of Atlantic salmon and rainbow trout.

	Licenses for grow out		Licenses for juveniles	
	Freshwater	Salt water	Freshwater	Salt water
County	Number	Number	Number	Number
Finnmark	0	1	8	0
Troms	1	1	8	0
Nordland	0	5	29	3
Trøndelag	1	4	30	3
Møre og Romsdal	1	7	21	3
Vestland	7	15	49	7
Rogaland	2	1	12	2
Agder	2	2	3	1
Other counties	13	1	7	0
Total	27	37	167	19

4. Companies with production

Table 11. Fish. Number of companies with production in 2024

	Atlantic salmon, rainbow trout and trout		Other fish species	
<i>County</i>	Grow out	Juvenile	Grow out	Juvenile
Finnmark	5	4	1	0
Troms	20	9	2	3
Nordland	42	15	9	8
Trøndelag	17	17	4	6
Møre og Romsdal	11	12	4	6
Vestland	45	36	11	9
Rogaland	13	11	3	5
Other counties	15	6	8	9
Total	168	110	42	46

Table 12. Molluscs, crustaceans, echinoderms, and algae. Number of companies with production of in 2024

<i>County</i>	Molluscs, crustaceans, and echinoderms	Algae
Finnmark and Troms	1	4
Nordland	5	6
Trøndelag	10	2
Møre og Romsdal	3	3
Vestland	11	7
Rogaland	4	0
Other counties	7	2
Total	41	24

5. Employment

Figure 5. Number of employees working with production of fish, molluscs, crustaceans, and echinoderms 2014-2024

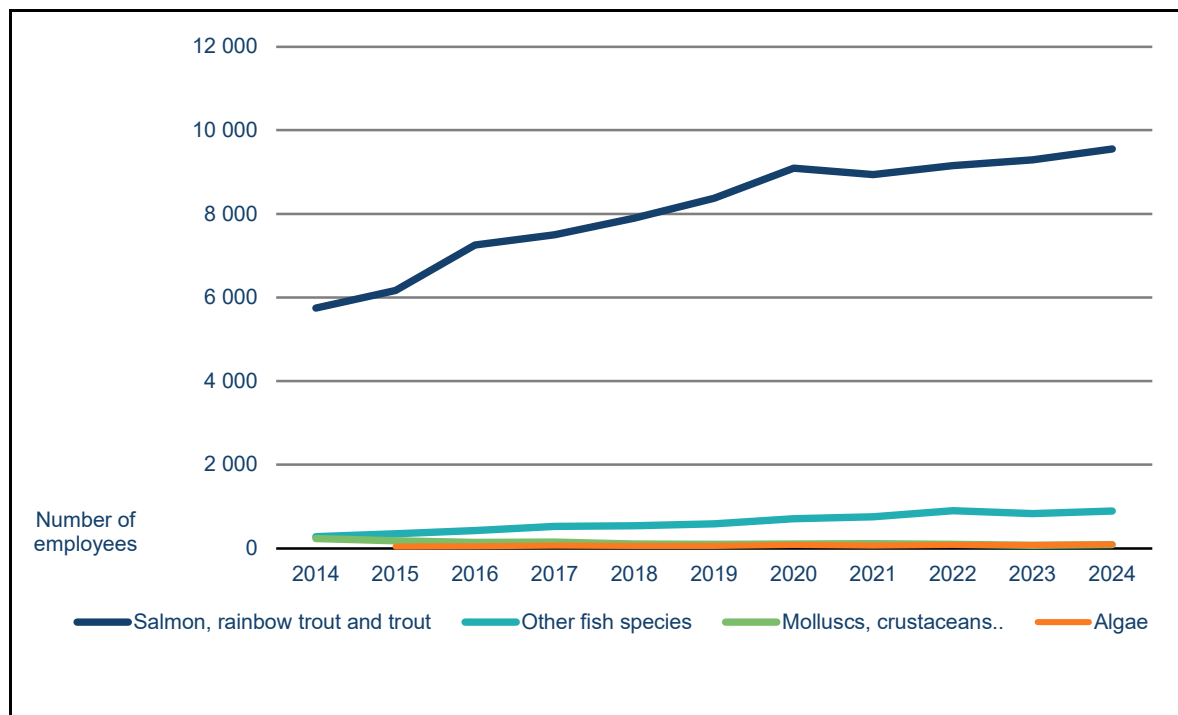
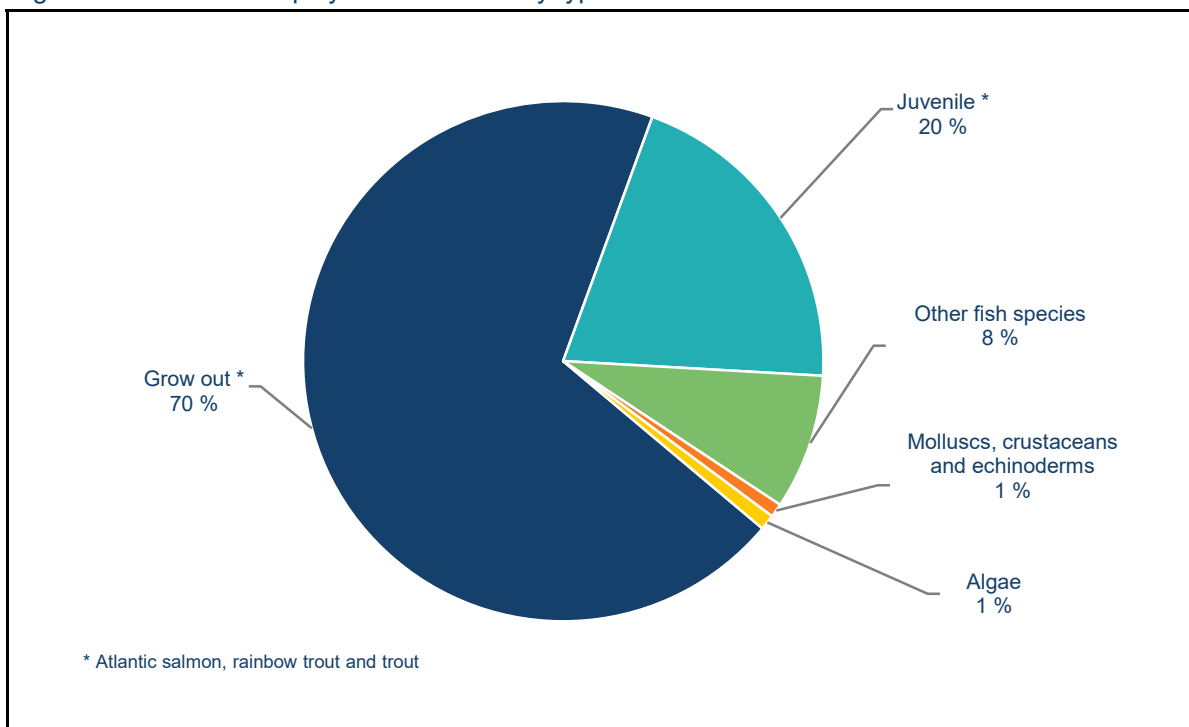


Figure 6. Number of employees distributed by type of license in 2024



5.1. Atlantic salmon, rainbow trout and trout

Table 13. Atlantic salmon, rainbow trout and trout. Employment in 2024

	Grow out fish, brood stock, and R&D			Juvenile fish		
<i>County</i>	Men	Women	Total	Men	Women	Total
Finnmark and Troms	1 262	239	1 501	199	95	294
Nordland	1 201	411	1 612	275	135	410
Trøndelag	1 020	210	1 230	242	136	378
Møre og Romsdal	529	105	634	157	78	235
Vestland	1 539	463	2 002	410	235	645
Rogaland	277	51	328	127	49	176
Other counties	73	13	86	18	7	25
Total	5 901	1492	7 393	1 428	735	2 163

Table 14. Atlantic salmon, rainbow trout and trout. Man-Hours¹⁾ in 2024

	Grow out fish, brood stock, and R&D			Juvenile fish		
<i>County</i>	Men	Women	Total	Men	Women	Total
Finnmark and Troms	1 969 003	336 143	2 305 146	327 172	140 834	468 006
Nordland	1 856 166	594 458	2 450 624	423 512	173 893	597 405
Trøndelag	1 548 590	329 040	1 877 630	379 596	148 695	528 291
Møre og Romsdal	893 350	174 202	1 067 552	243 698	84 928	328 626
Vestland	2 019 186	557 145	2 576 331	544 104	258 601	802 705
Rogaland	452 072	63 493	515 565	167 804	64 619	232 423
Other counties	109 638	8 508	118 146	26 227	10 572	36 799
Total	8 848 005	2 062 989	10 910 994	2 112 113	882 142	2 994 255

¹⁾ The Directorate of Fisheries define the number of Man-hour per year as 1845 hours

5.2. Other fish species

Table 15. Other fish species. Employment in 2024

	Grow out production			Juvenile		
<i>County</i>	Men	Women	Total	Men	Women	Total
Finnmark and Troms	34	8	42	16	8	24
Nordland	61	32	93	22	9	31
Trøndelag	31	10	41	44	30	74
Møre og Romsdal	51	7	58	56	34	90
Vestland	76	41	117	83	60	143
Rogaland and other counties	72	18	90	58	35	93
Total	325	116	441	279	176	455

Table 16. Other fish species. Man-Hours¹⁾ in 2024

County	Grow out production			Juvenile		
	Men	Women	Total	Men	Women	Total
Finnmark and Troms	29 188	4 857	34 045	21 385	14 250	35 635
Nordland	72 577	35 673	108 250	27 104	8 648	35 752
Trøndelag	24 478	8 937	33 415	44 335	22 837	67 172
Møre og Romsdal	70 151	6 408	76 559	88 885	43 721	132 606
Vestland	88 525	52 492	141 017	126 844	68 374	195 218
Rogaland and other counties	86 318	13 557	99 875	61 419	34 925	96 344
Total	371 237	121 924	493 161	369 972	192 755	562 727

¹⁾ The Directorate of Fisheries defines the number of Man-hour per year as 1845 hours

5.3. Molluscs, crustaceans, and echinoderms

Table 17. Molluscs, crustaceans, and echinoderms. Employment in 2024

County	Employees			Man-Hours ¹⁾		
	Men	Women	Total	Men	Women	Total
Total	76	16	92	49 424	7 452	56 876

¹⁾ The Directorate of Fisheries defines the number of Man-hour per year as 1845 hours

5.4. Algae

Table 18. Algae. Employment in 2024

County	Employees			Man-Hours ¹⁾		
	Men	Women	Total	Men	Women	Total
Total	66	34	93	25 446	10 430	35 876

¹⁾ The Directorate of Fisheries defines the number of Man-hour per year as 1845 hours

6. Sale

6.1. Sale of Atlantic salmon and rainbow trout

Figure 7. Sale of Atlantic salmon and rainbow trout (grow out production) 2014-2024

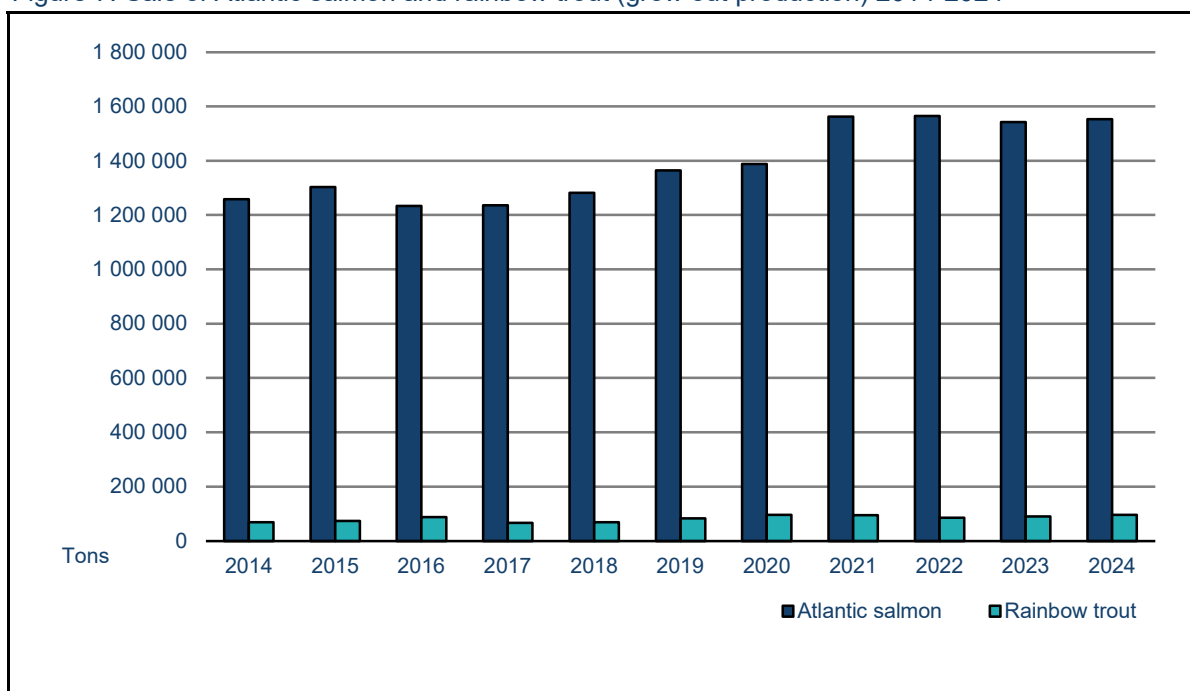


Table 19. Atlantic salmon and rainbow trout. Sale of slaughtered fish in 2024. Quantity in metric tons round weight, value in 1000 NOK and prices in NOK per kg

County	Grow out production					
	Atlantic salmon			Rainbow trout		
	Quantity	Value	Price per kg	Quantity	Value	Price per kg
Finnmark	128 002	8 389 192	65.54	0	0	0
Troms	200 830	13 538 449	67.41	0	0	0
Nordland	360 192	24 714 904	68.62	0	0	0
Trøndelag	324 740	21 901 089	67.44	0	0	0
Møre og Romsdal	112 716	7 553 302	67.01	13 049	835 124	64.00
Vestland	304 957	19 282 693	63.23	81 466	5 098 044	62.58
Rogaland	98 617	6 794 434	68.90	1 197	91 401	76.38
Other counties	22 834	1 290 510	56.52	151	10 794	71.29
Total	1 552 887	103 464 572	66.63	95 863	6 035 363	62.96

Table 20. Atlantic salmon and rainbow trout. Sale for the 10 largest companies in Norway. Weight in tons

Year	Total sale	10 largest	Percentage
2020	1 484 565	976 858	65.8
2021	1 657 473	1 107 959	66.8
2022	1 650 563	1 144 236	69.3
2023	1 633 121	1 121 707	68.7
2024	1 649 153	1 137 757	69.0

Figure 8. Sale of juvenile fish of Atlantic salmon and rainbow trout 2014-2024

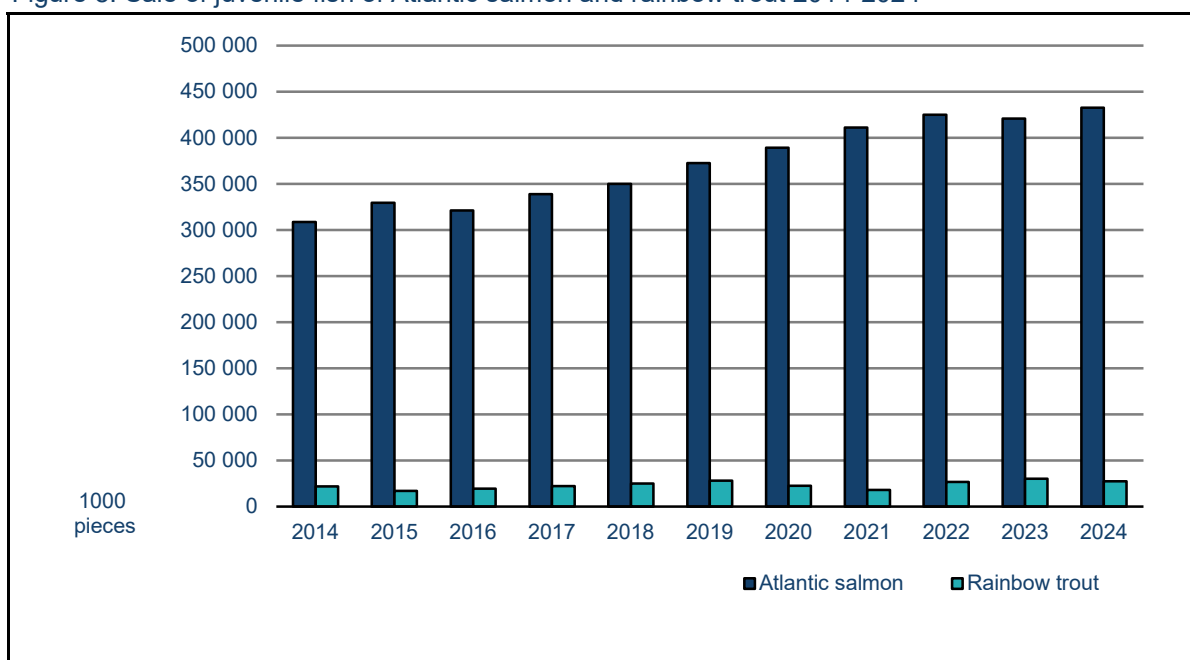


Table 21. Atlantic salmon and rainbow trout. Sale of juvenile fish in 2024. Numbers in 1000 pieces, value in 1000 NOK and prices in NOK per fish

County	Juvenile fish					
	Atlantic salmon			Rainbow trout		
	Number	Value	Price per fish	Number	Value	Price per fish
Finnmark and Troms	79 738	2 061 925	25.86	0	0	0
Nordland	105 774	2 609 947	24.67	0	0	0
Trøndelag	103 050	2 767 751	26.86	683	17 924	26.24
Møre og Romsdal	41 050	1 006 024	24.51	3 868	101 277	26.18
Vestland	72 540	2 576 647	35.52	21 360	602 589	28.21
Rogaland	25 356	1 190 333	46.94	1 182	21 279	18.00
Other counties	5 156	111 983	21.72	194	3 422	17.64
Total	432 664	12 324 610	28.49	27 287	746 491	27.36

Table 22. Atlantic salmon and rainbow trout. Sale of juvenile fish by size group in 2024. Numbers in 1000 pieces

County	Juvenile fish					
	Atlantic salmon			Rainbow trout		
	< 250 grams	> 250 grams	Total	< 250 grams	> 250 grams	Total
Finnmark and Troms	66 329	13 409	79 738	0	0	0
Nordland	85 063	20 711	105 774	0	0	0
Trøndelag	90 781	12 269	103 050	683	0	683
Møre og Romsdal	28 553	12 497	41 050	3 868	0	3 868
Vestland	44 266	28 274	72 540	16 274	5 086	21 360
Rogaland	10 647	14 709	25 356	1 082	100	1 182
Other counties	5 156	0	5 156	194	0	194
Total	330 795	101 869	432 664	22 101	5 186	27 287

Size groups:

< 250 grams = weight under 250 grams

> 250 grams = weight over 250 grams

6.2. Sale of other fish species

Figure 9. Sale of other fish species 2014-2024

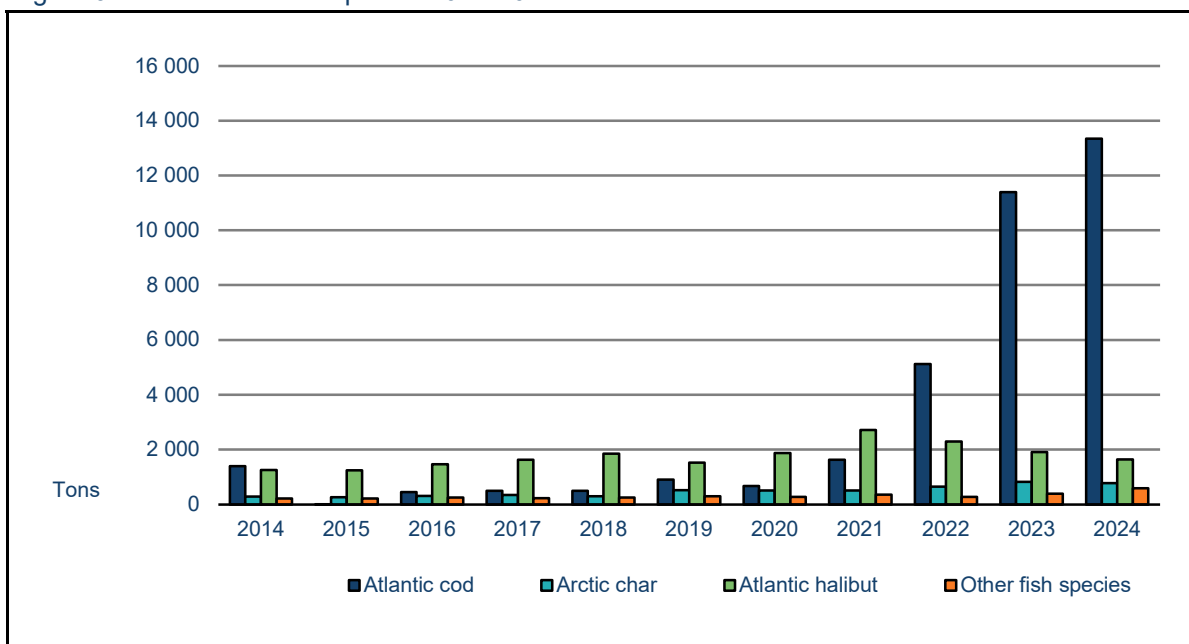


Table 23. Other fish species. Sale of slaughtered fish in 2024. Quantity in metric tons round weight and value in 1000 NOK

County	Quantity	Value	Species	Quantity	Value
Finnmark and Troms	991	43 150	Atlantic cod	13 342	559 439
Nordland	2 294	91 933	Arctic char	772	55 508
Trøndelag	4 315	215 961	Atlantic halibut	1 638	234 057
Møre og Romsdal	4 487	233 871	Other species	581	81 060
Vestland	2 754	146 132	Total	16 332	930 064
Rogaland and other counties	1 492	199 015			
Total	16 332	930 064			

Table 24. Other fish species. Sale of juveniles in 2024. Numbers in 1000 pieces and value in 1000 NOK

Species	Numbers	Value
Atlantic cod	6 205	96 118
Arctic char	1 427	4 880
Atlantic halibut	2 336	113 068
Other species	154	1 452
Total	10 122	215 518

6.3. Sale of Molluscs, Crustaceans, and Echinoderms

Figure 10. Sale of molluscs, crustaceans, and echinoderms for human consumption 2014-2024

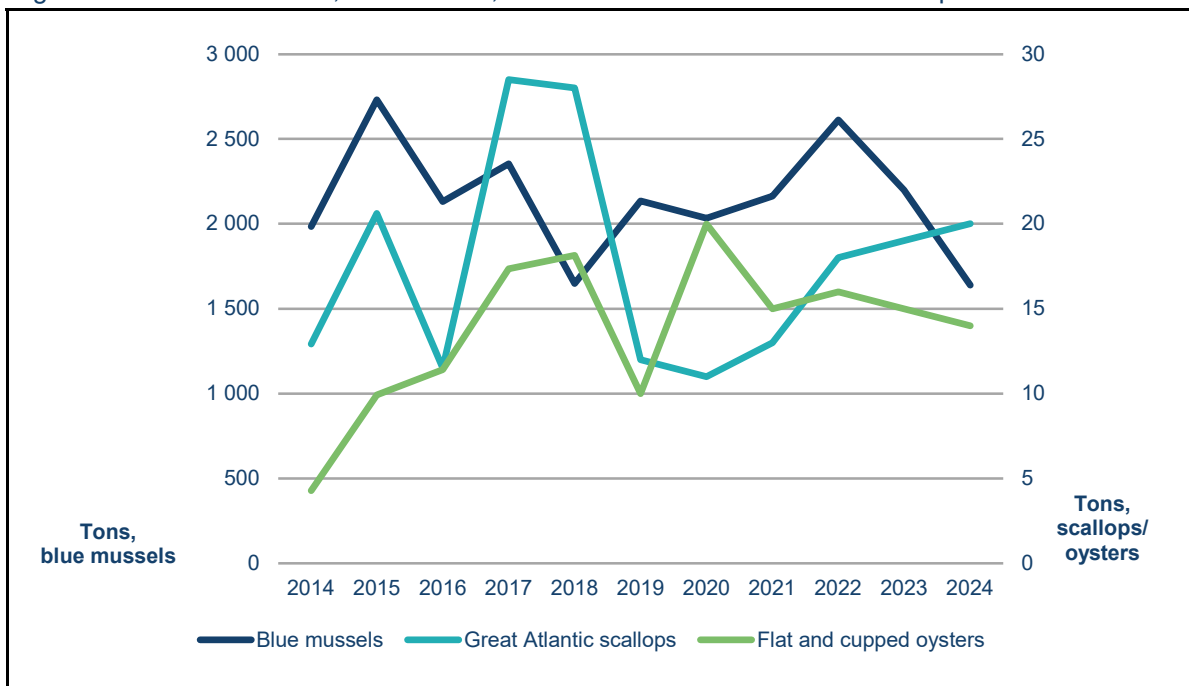


Table 25. Molluscs, crustaceans, and echinoderms. Sale for human consumption in 2024. Quantity in metric tons and value in 1000 NOK

Species	Quantity	Value
Blue mussels	1 640	24 468
Great Atlantic scallops	20	1 418
Oysters	14	871
Other species	0	22
Total	1 674	26 777

6.4. Sale of Algae

Figure 11. Sale of farmed algae for food or human consumption 2015-2024

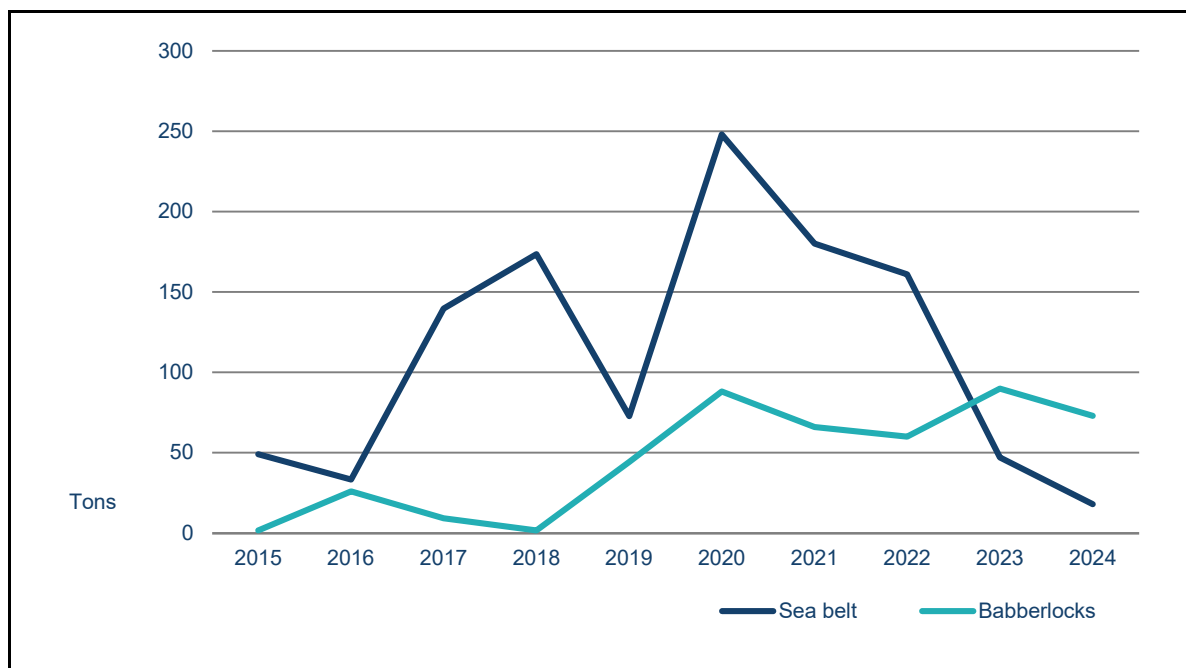


Table 26. Algae. Sale for food or human consumption in 2024. Quantity in metric tons and value in 1000 NOK

Species	Quantity	Value
Sea belt	18	413
Babberlocks	73	1 150
Other species	0	0
Total	91	1 562

7. Losses in the production

Definitions:

- Dead fish: Number fish physically taken out of the bag-net. Cause of this type of death could be illness, wounds etc. without clearly specifying the cause.
- Turn out from slaughterhouse: Number of fish discarded at slaughterhouse due to maturity, defects, blemishes etc.
- Escapes: Number of fish that have escaped in conjunction with an accident.
- Other losses: Number of fish lost due to predation, theft, counting mistakes and other causes.

Table 27. Atlantic salmon. Losses in the production in 2024. Quantity in 1000 pieces

County	Dead	Rejected	Escapes	Others	Total
Finnmark	6 426	340	1	4 102	10 868
Troms	7 343	320	0	2 177	9 840
Nordland	8 406	394	0	-1 276	7 524
Trøndelag	12 356	457	33	880	13 718
Møre og Romsdal	6 706	186	5	985	7 882
Vestland	11 694	880	0	747	13 321
Rogaland	2 904	212	0	70	3 185
Other species	702	67	0	73	842
Total	56 536	2 855	39	7 750	67 180

Table 28. Rainbow trout. Losses in the production in 2024. Quantity in 1000 pieces

County	Dead	Rejected	Escapes	Others	Total
Finnmark	0	0	0	0	0
Troms	0	0	0	0	0
Nordland	0	0	0	0	0
Trøndelag	6	0	0	-2	4
Møre og Romsdal	285	8	0	-63	230
Vestland	2 087	91	0	367	2 545
Rogaland	6	2	0	12	19
Other species	56	0	0	0	57
Total	2 441	100	0	314	2 856

Table 29. Other fish species. Losses in the production in 2024. Quantity in 1000 pieces

County	Dead	Rejected	Escapes	Others	Total
Finnmark and Troms	121	2	0	49	172
Nordland	807	44	28	6	884
Trøndelag	603	50	0	30	683
Møre og Romsdal	803	78	3	8	892
Vestland	612	75	0	36	723
Rogaland and other counties	302	21	0	0	323
Total	3 248	270	30	129	3 677

8. Cleaner fish

8.1. Use of cleaner fish

Figure 12. Number of cleaner fish in the cages with Atlantic salmon and rainbow trout 2014-2024

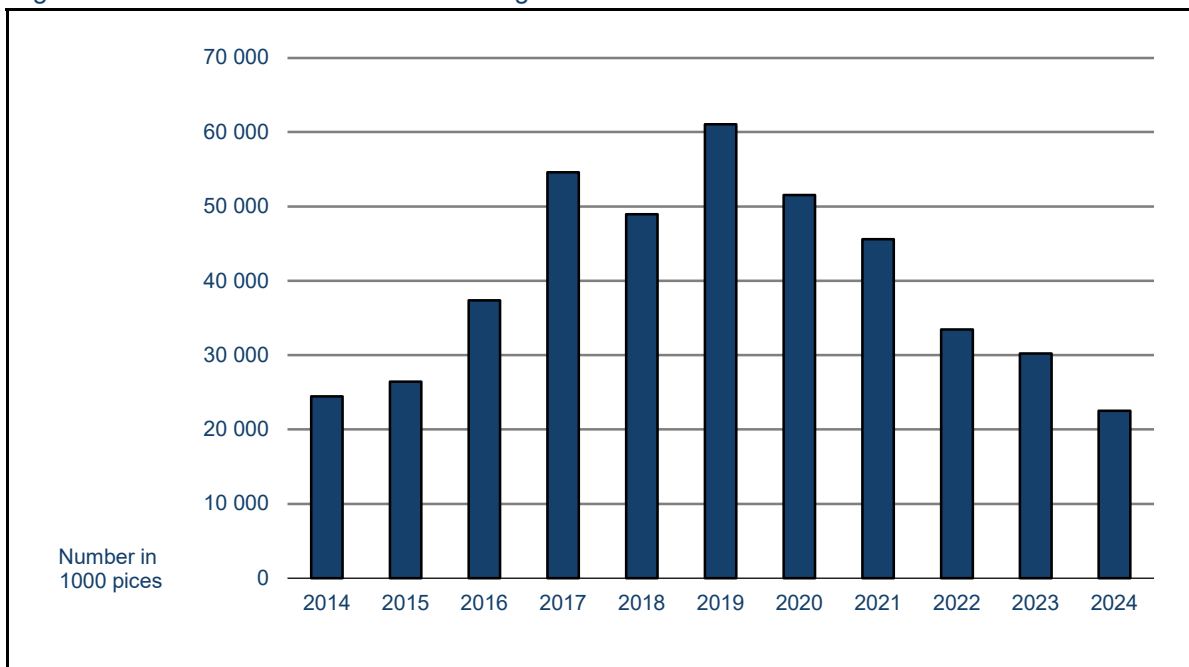


Figure 13. Percentage of farmed and wild catch cleaner fish in cages with Atlantic salmon and rainbow trout 2014-2024

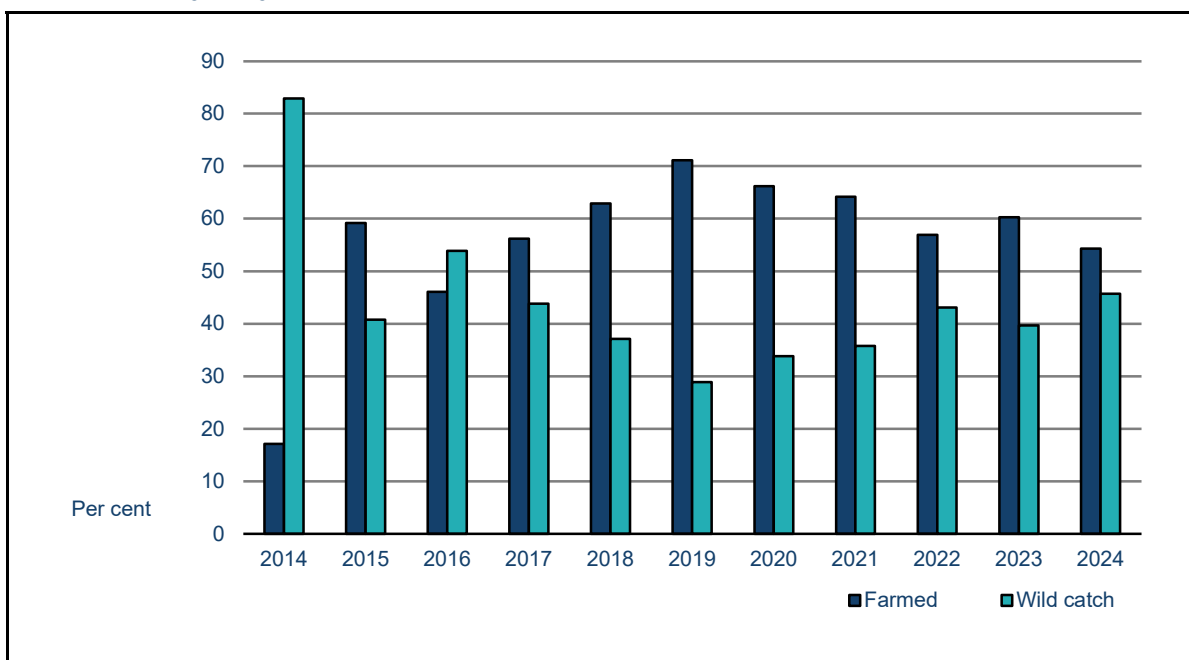


Table 30. Cleaner fish. Number of fish (farmed and wild catch) in cages with Atlantic salmon and rainbow trout in 2024. Numbers in 1000 pieces and value in 1000 NOK

County	Number	Value
Finnmark and Troms	300	5 500
Nordland	25	556
Trøndelag	1 951	72 054
Møre og Romsdal	2 900	160 474
Vestland	8 620	240 114
Rogaland	8 041	198 356
Other counties	676	18 834
Total	22 512	695 888

Table 31. Cleaner fish. Number of cleaner fish (farmed and wild catch) in cages with Atlantic salmon and rainbow trout by species in 2024. Number in 1000 pieces and value in 1000 NOK

Species	Number	Value
Lumpfish	9 962	218 764
Ballan wrasse	2 688	292 677
Goldsinny wrasse	2 228	45 671
Corkwing wrasse	7 552	137 484
Rock cook	80	1 291
Non specified	0	0
Total	22 512	695 888

8.2. Farmed cleaner fish

Table 32. Cleaner fish. Sale of farmed cleaner fish to producers of Atlantic salmon and rainbow trout in 2024. Numbers in 1000 pieces and value in 1000 NOK

County	Number	Value
Ballan wrasse	2 295	297 241
Lumpfish	8 656	196 205
Other species	0	0
Total	10 951	493 446

9. Export

9.1. Export of farmed Atlantic salmon

Figure 14. Main markets for Atlantic salmon in 2024, based on sales quantity

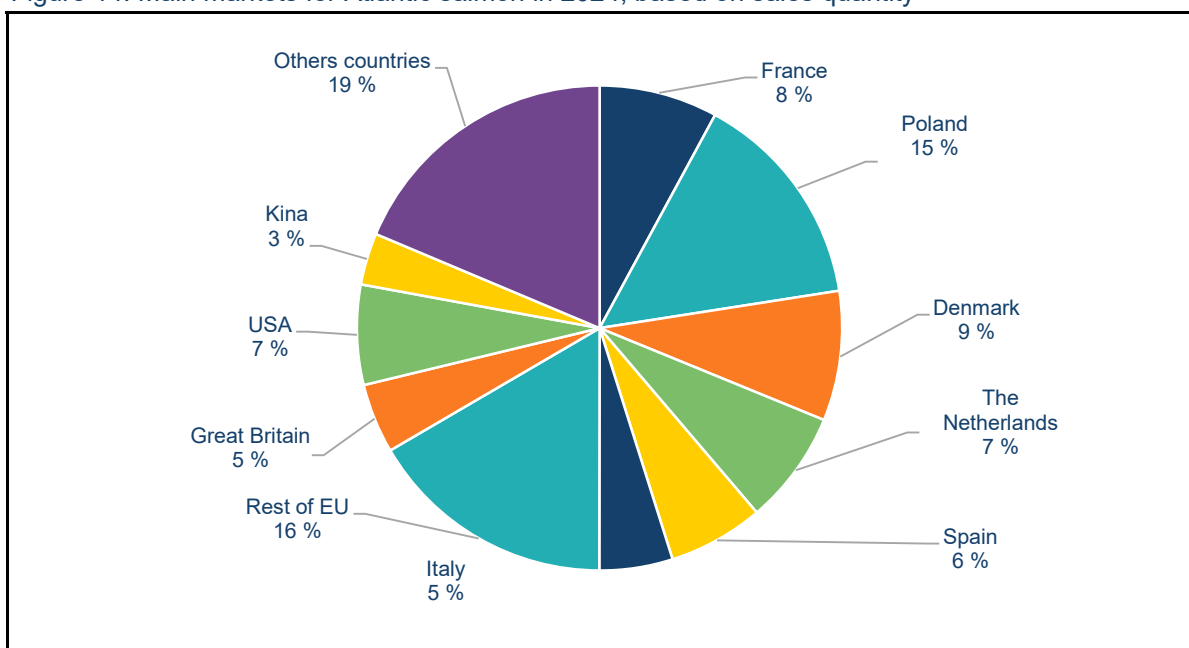


Table 33. Atlantic salmon. Export specified by country. Weight in metric tons (round weight) and value in 1000 NOK. Source: Norwegian Seafood Council

Country	2023			2024			Changes (%)	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
Poland	216 546	16 411 576	75.79	220 191	16 201 591	73.58	2 %	-1 %
France	128 958	10 896 235	84.49	118 947	9 792 371	82.33	-8 %	-10 %
Denmark	129 433	10 045 108	77.61	130 083	9 583 913	73.68	1 %	-5 %
The Netherlands	109 342	8 927 593	81.65	113 772	9 153 354	80.45	4 %	3 %
Spain	94 146	7 930 119	84.23	95 888	8 073 469	84.20	2 %	2 %
Rest of EU	227 932	17 928 142	78.66	249 059	18 978 066	76.20	9 %	6 %
EU	980 573	78 639 852	80.20	1 001 352	78 195 768	78.09	2 %	-1 %
Great Britain	66 666	5 596 491	83.95	69 685	5 946 464	85.33	5 %	6 %
USA	103 299	10 727 959	103.85	100 266	10 157 875	101.31	-3 %	-5 %
Kina	47 261	5 183 998	109.69	51 778	5 104 981	98.59	10 %	-2 %
South Korea	34 026	3 537 671	103.97	36 698	3 885 566	105.88	8 %	10 %
Other countries	244 743	20 815 377	85.05	261 370	21 380 600	81.80	7 %	3 %
Total	1 464 401	122 263 970	83.49	1 503 975	122 564 837	81.49	3 %	0 %

Table 34. Atlantic salmon. Export specified by product. Weight in metric tons (round weight) and value in 1000 NOK. Source: Norwegian Seafood Council

Product	2023			2024			Changes (%)	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
Fresh fish	1 093 277	91 052 297	83.28	1 072 575	86 635 324	80.77	-2 %	-5 %
Fresh filet	193 674	17 861 020	92.22	228 125	21 195 984	92.91	18 %	19 %
Frozen fish	24 039	1 990 213	82.79	30 156	2 220 403	73.63	25 %	12 %
Frozen filet	100 455	9 807 559	97.63	114 848	10 815 852	94.18	14 %	10 %
Other products	52 956	1 552 880	29.32	58 271	1 697 273	29.13	10 %	9 %
Total	1 464 401	122 263 970	83.49	1 503 975	122 564 837	81.49	3 %	0 %

9.2. Export of rainbow trout

Figure 15. Main markets for rainbow trout in 2024, based on sales quantity.

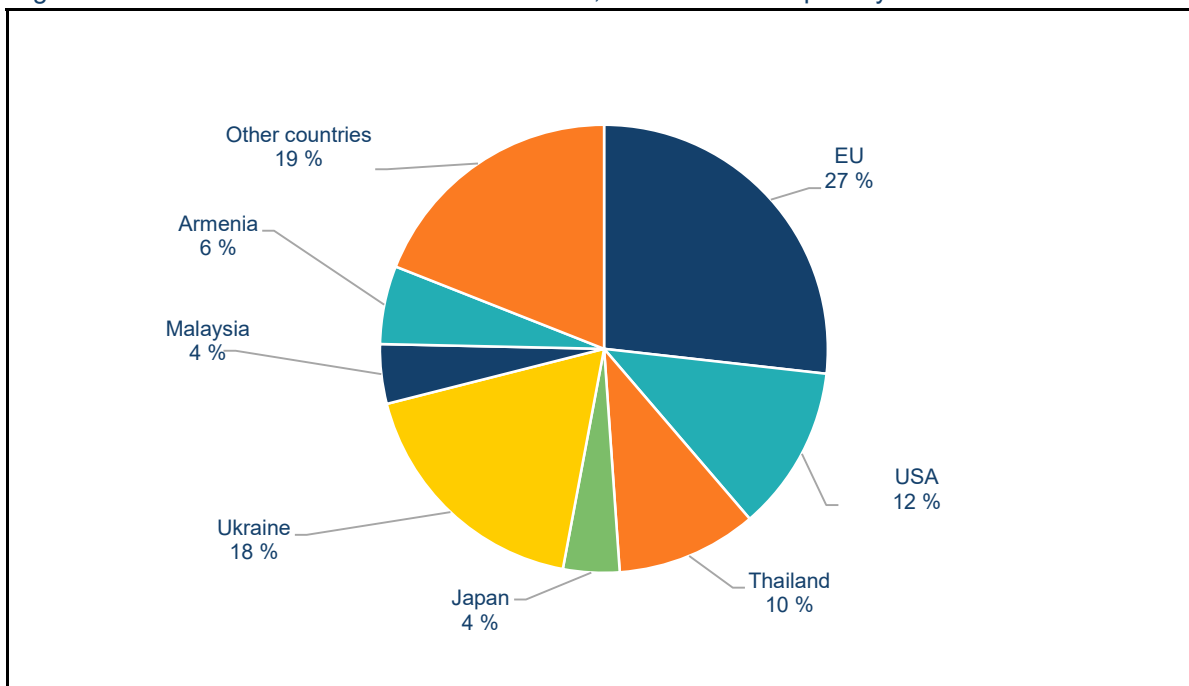


Table 35. Rainbow trout. Export specified by country. Weight in metric tons (round weight) and value in 1000 NOK. Source: Norwegian Seafood Council

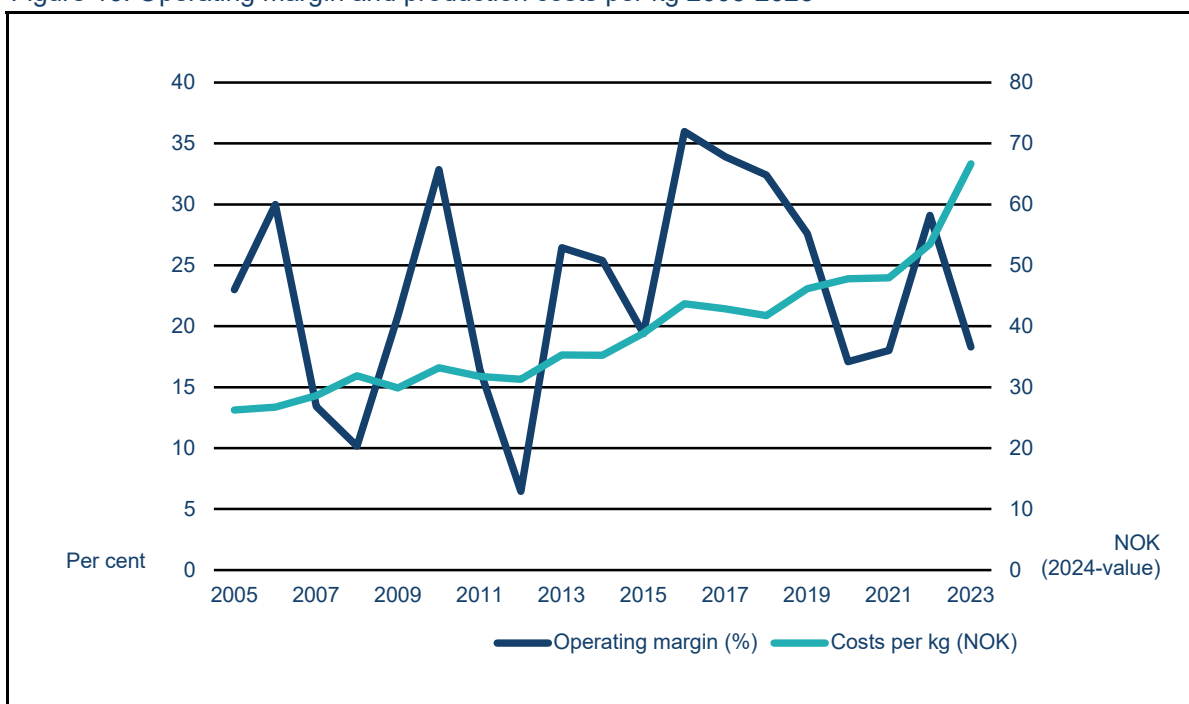
Country	2023			2024			Changes (%)	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
EU	18 130	1 272 042	70.16	24 301	1 634 108	67.24	34 %	28 %
USA	10 541	955 678	90.66	10 826	964 433	89.08	3 %	1 %
Thailand	6 344	529 426	83.45	9 203	720 406	78.28	45 %	36 %
Japan	4 877	384 751	78.88	3 703	293 819	79.34	-24 %	-24 %
Ukraine	9 260	590 918	63.81	16 423	1 113 962	67.83	77 %	89 %
Malaysia	3 080	246 806	80.14	3 893	287 171	73.76	26 %	16 %
Armenia	3 147	249 601	79.32	5 119	360 916	70.51	63 %	45 %
Other countries	15 036	1 258 046	83.67	17 248	1 372 845	79.60	15 %	9 %
Total	70 415	5 487 269	77.93	90 716	6 747 660	74.38	29 %	23 %

Table 36. Rainbow trout. Export specified by product. Weight in metric tons (round weight) and value in 1000 NOK. Source: Norwegian Seafood Council

Product	2023			2024			Changes (%)	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
Fresh fish	45 725	3 495 177	76.44	65 646	4 746 415	72.30	44 %	36 %
Fresh filet	9 118	802 276	87.98	9 198	825 585	89.76	1 %	3 %
Frozen fish	7 816	486 832	62.29	9 776	593 021	60.66	25 %	22 %
Frozen filet	4 457	295 043	66.20	2 498	169 147	67.71	-44 %	-43 %
Other products	3 299	407 941	123.64	3 597	413 493	114.94	9 %	1 %
Total	70 415	5 487 269	77.93	90 716	6 747 660	74.38	29 %	23 %

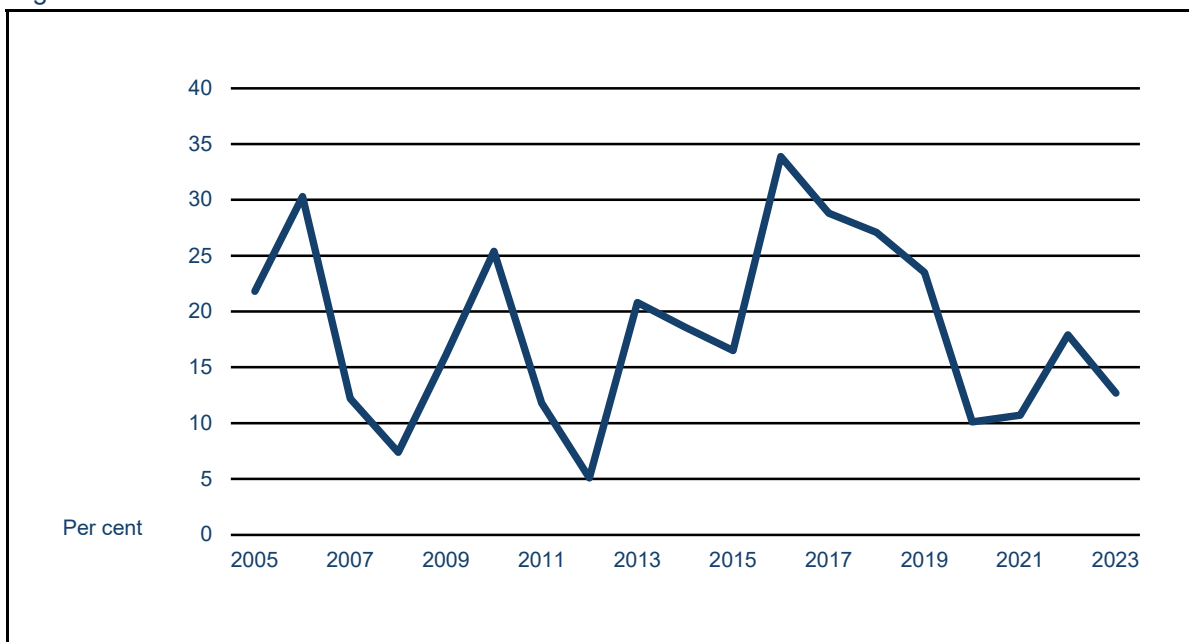
10. Economy

Figure 16. Operating margin and production costs per kg 2005-2023¹⁾



¹⁾ Average figures for companies with grow out production of Atlantic salmon and rainbow trout

Figure 17. Return on Total Assets 2005-2023



10.1. Key figures

Definitions:

- Return on Total Assets = ((Operating Profit + Financial Revenues) / Total Assets) * 100
- Operating Margin = (Operating Profit / Operating Revenues) * 100
- Quick Ratio = (Total tangible fixed assets / Current liabilities) * 100
- Equity Ratio = (Total equity / Total assets) * 100

Table 37. Atlantic salmon and rainbow trout. Key figures in average per company in 2023. Figures in per cent

Key figures	Grow out production	Hatcheries
Return on Total Assets	12.7	13.1
Operating Margin	18.3	25.5
Quick Ratio	189.9	178.3
Equity Ratio	27.0	35.6

Table 38. Atlantic salmon and rainbow trout. Costs per kg produced fish (WFE) in average per company in 2023. Numbers in NOK.

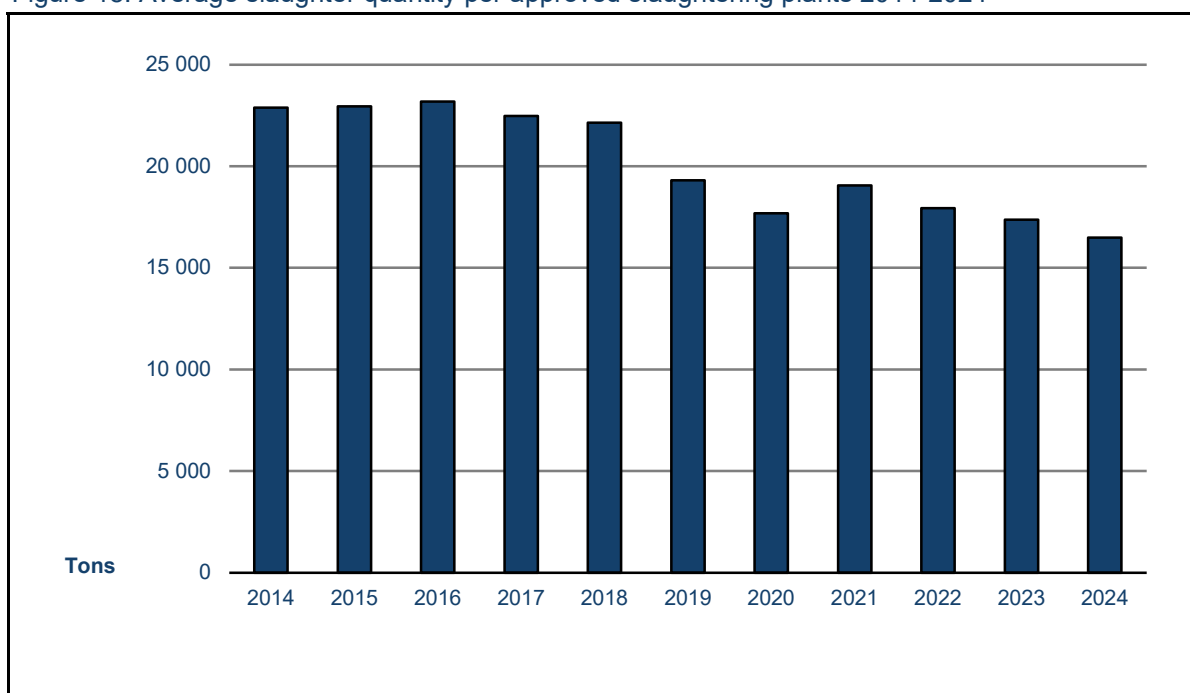
Costs	Grow out production
Smolt costs per kg	6.91
Feeding costs per kg	25.89
Insurance costs (fish) per kg	0.24
Wages and salaries per kg	3.78
Depreciation per kg	0.78
Other operating expenses per kg	20.49
Net Financial Expenses per kg	2.13
Slaughter costs and freight charges per kg	4.45
Costs per kg produced fish	64.68

Table 39. Atlantic salmon and rainbow trout. Costs per number sold fry and smolt in average per company in 2023. Numbers in NOK.

Costs	Hatcheries
Roe and fry costs	2.75
Feeding costs	3.76
Insurance	0.19
Vaccination costs.	3.14
Wages and salaries	2.81
Depreciation	2.27
Electricity costs	1.21
Other operating expenses	4.05
Net financial expenses	1.01
Costs per sold fry and smolt	21.20

11. Approved slaughtering plants for salmonids

Figure 18. Average slaughter quantity per approved slaughtering plants 2014-2024



Definition:

Average slaughtered quantity per approved slaughtering plant is defined as total slaughtered quantity divided by the number of slaughtering plants for salmonids. The number of slaughtering plants in operation is unknown.

Table 40. Number of approved slaughtering plants for farmed salmonids. Source: The Norwegian Food Safety Authority

County	2020	2021	2022	2023	2024
Troms og Finnmark	14	13	13	-	-
Finnmark	-	-	-	4	4
Troms	-	-	-	9	9
Nordland	13	14	15	14	16
Trøndelag	10	9	9	10	11
Møre og Romsdal	8	11	11	12	13
Vestland	29	32	36	36	38
Rogaland	4	4	3	4	4
Other counties	6	4	5	5	5
Total	84	87	92	94	100

12. Related activities

12.1. Insurance

Table 41. Insurance of farmed fish in Norway. Amount in mill NOK. Source: Finance Norway

	2020	2021	2022	2023	2024
Premium	238.1	254.0	285.3	305.5	390.0
Compensation	143.7	189.0	141.6	207.5	305.0
Accident index	60 %	74 %	50 %	68 %	78 %

12.2. Use of veterinary drug in aquaculture

Table 42. Use of veterinary drugs¹⁾ in the Norwegian fish farming industry. Quantity in kg. Source: Norwegian Institute of Public Health

	2020	2021	2022	2023	2024
Antibacterial agents	229	605	463	592	741
Agents against lice	3 037	4 386	7 979	8 159	3 791
Hydrogen peroxide	5 084 000	4 060 000	3 004 000	1 571 000	737 000
Agents against intestinal worms	123	40	62	131	34
Agents against surface infections	52 923	47 772	49 833	54 205	58 701
Anaesthetic agents	18 665	18 263	13 698	14 931	15 725

¹⁾ The different drugs are used and dosed differently, and the total number in kg can therefore not be summed up

12.3. Use of feed

Table 43. Use of feed in the Norwegian fish farming industry. Quantity in metric tons. Source: The Norwegian Seafood Federation

Month	2020	2021	2022	2023	2024
January	121 137	134 373	119 379	126 060	116 336
February	99 580	103 544	101 639	113 697	101 374
March	115 336	120 938	124 651	132 673	107 300
April	113 603	125 735	116 821	124 269	125 021
May	119 340	148 043	151 453	168 869	160 659
June	157 964	191 123	184 079	185 758	185 462
July	201 533	233 677	220 672	234 663	261 732
August	234 384	263 619	273 904	278 614	252 608
September	236 961	261 558	257 347	263 542	260 588
October	230 930	250 724	250 241	249 059	236 755
November	193 564	201 839	213 616	196 652	203 963
December	164 770	157 880	166 010	136 923	174 147
Total	1 989 103	2 193 053	2 179 812	2 210 779	2 185 945

12.4. Well boats

Tabell 44. Number of well boats¹⁾. Source: The Association of Coastal Ship Owners

County	2020	2021	2022	2023	2024
Troms og Finnmark	1	2	5	-	-
Finnmark	-	-	-	0	0
Troms	-	-	-	7	3
Nordland	2	3	3	3	3
Trøndelag	15	16	16	18	19
Møre og Romsdal	55	64	65	69	71
Vestland	14	19	19	8	9
Rogaland	0	1	1	0	1
Other counties	8	0	0	0	0
Total	95	105	109	105	106

¹⁾ Based on members in the Association of Coastal Ship-owners

Sources

The Norwegian Seafood Council	Export of Atlantic salmon and rainbow trout
The Norwegian Food Safety Authority	Approved slaughtering plants
Finance Norway	Insurance
Norwegian Institute of Public Health	Use of veterinary drugs in aquaculture
Norwegian Seafood Federation:	Use of feed
The Association of Coastal Ship owners	Well boats
The Directorate of Fisheries:	All other figures and tables.



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Livet i havet - vårt felles ansvar