



FISKERIDIREKTORATET

Key figures from Norwegian Aquaculture Industry 2020

Livet i havet - vårt felles ansvar

Rapport

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Key figures from Norwegian Aquaculture Industry 2020

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Key figures from Norwegian Aquaculture Industry 2020

Summary:

This report presents key figures from the Norwegian Aquaculture Industry. The report contains information about all species farmed in Norway. The information is in four groups. One group contains information about Atlantic salmon and Rainbow trout. Another group contains information about other fish species, a third group contains information about molluscs, crustaceans and echinoderms and finally the fourth group contains information about algae.

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1. Licences

Source: *The Directorate of Fisheries*

Granted licenses

Figure 1. The number of licences 2010-2020

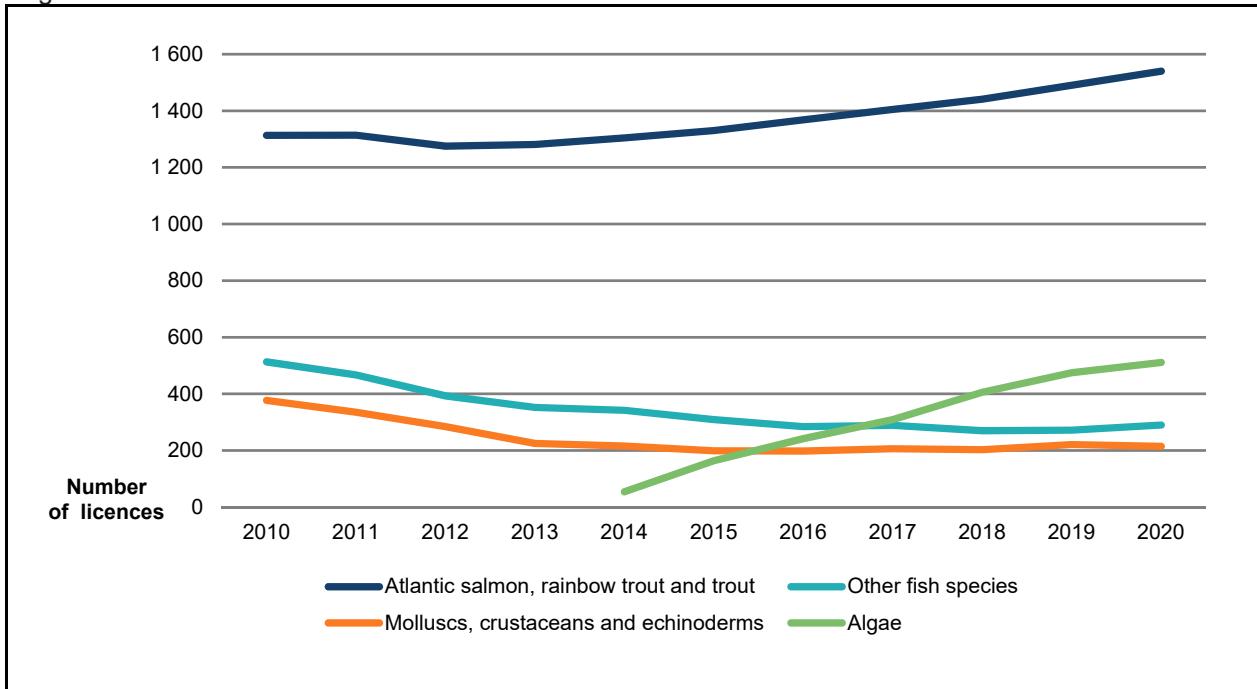
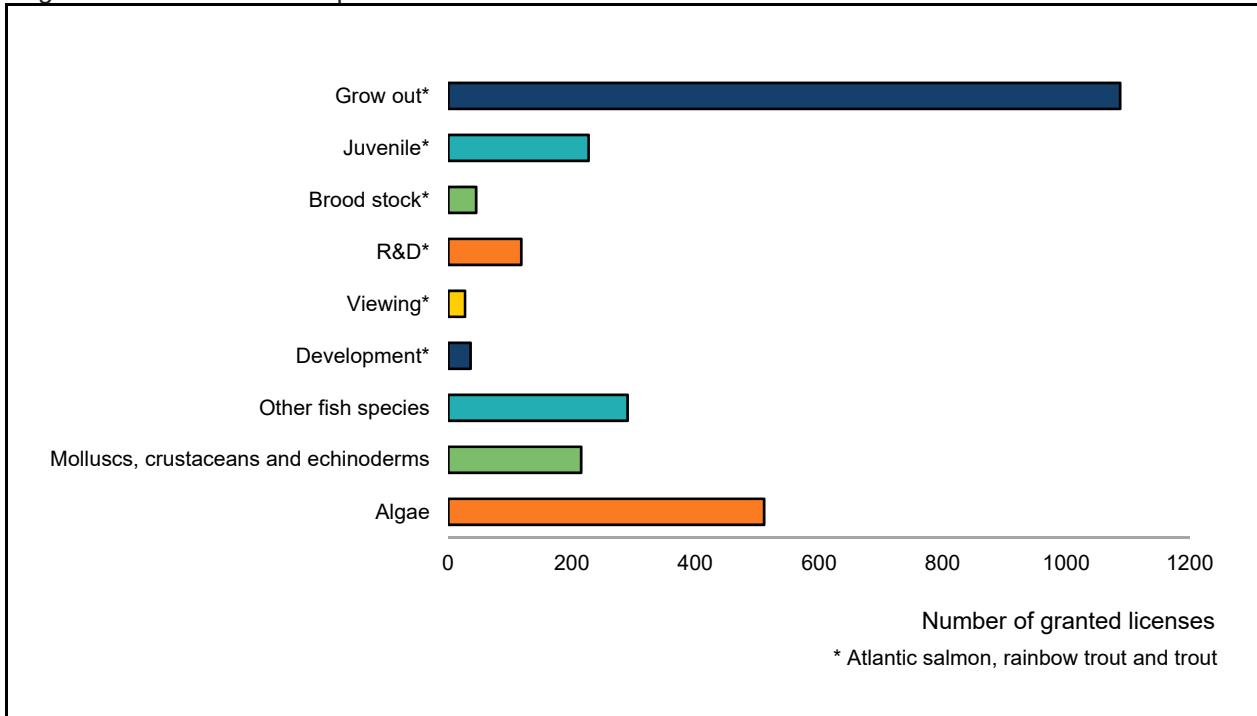


Figure 2. Granted licences per 31 December 2020



Be aware that grow out production, juvenile, brood stock and research (R&D) are licenses for production of Atlantic salmon, rainbow trout and trout.

Table 1. Atlantic salmon, rainbow trout and trout. Commercial licenses per 31 December 2020.

County	Juvenile	Grow out
	Number of licenses	Number of licenses
Troms og Finnmark	21	215
Nordland	33	197
Trøndelag	37	189
Møre og Romsdal	33	113
Vestland	76	260
Rogaland	18	64
Agder	4	22
Other counties	5	27
Total	227	1087

Table 2. Atlantic salmon, rainbow trout and trout. Licenses with special purpose per 31 December 2020. Number of licenses

County	Brood stock	R&D ¹⁾	Viewing	Development
Troms og Finnmark	2	16	5	8
Nordland	10	25	9	19
Trøndelag	10	21	4	9
Møre og Romsdal	5	10	1	0
Vestland	10	29	7	0
Rogaland	5	15	1	0
Agder	1	0	0	0
Other counties	2	2	0	0
Total	45	118	27	36

1)Research and education

Table 3. Atlantic salmon, rainbow trout and trout. Licenses per 31 December 2020 by production area¹⁾.

Area	Numbers of licenses
1. Svenskegrense til Jæren	24
2. Ryfylke	56
3. Karmøy til Sotra	110
4. Nordhordland til Stadt	135
5. Stadt til Hustadvika	69
6. Nordmøre og Sør-Trøndelag	165
7. Nord-Trøndelag med Bindal	75
8. Helgeland til Bodø	104
9. Vestfjorden og Vesterålen	111
10. Andøya til Kvaløya	64
11. Kvaløya til Senja	53
12. Vest-Finnmark	89
13. Øst-Finnmark	16
Total	1 070

1) Licenses covered by the production area regulations

Table 4. Other species. Licenses per 31 December 2020 by county

	Fish	Molluscs, crustaceans and echinoderms	Sea Ranching	Algae
County	Number of licenses	Number of licenses	Number of licenses	Number of licenses
Troms og Finnmark	29	13	0	6
Nordland	41	41	0	173
Trøndelag	48	46	1	23
Møre og Romsdal	29	8	1	12
Vestland	85	72	0	280
Rogaland	26	18	3	3
Agder	14	12	2	14
Other counties	18	5	0	0
Total	290	215	7	511

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	64	Blue mussel	122	Sea belt	106
Turbot	31	European lobster	25	Babberlocks	93
Wrasse	182	Great Atlantic scallop	38	Tangle	98
Lumpfish	80	Sea urchin	36	Dulse	84
Arctic char	53	Flat and cupped oyster	47	Others species	322
Atlantic cod	85	Other species	313		
Other species	489				

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."

Total license capacity

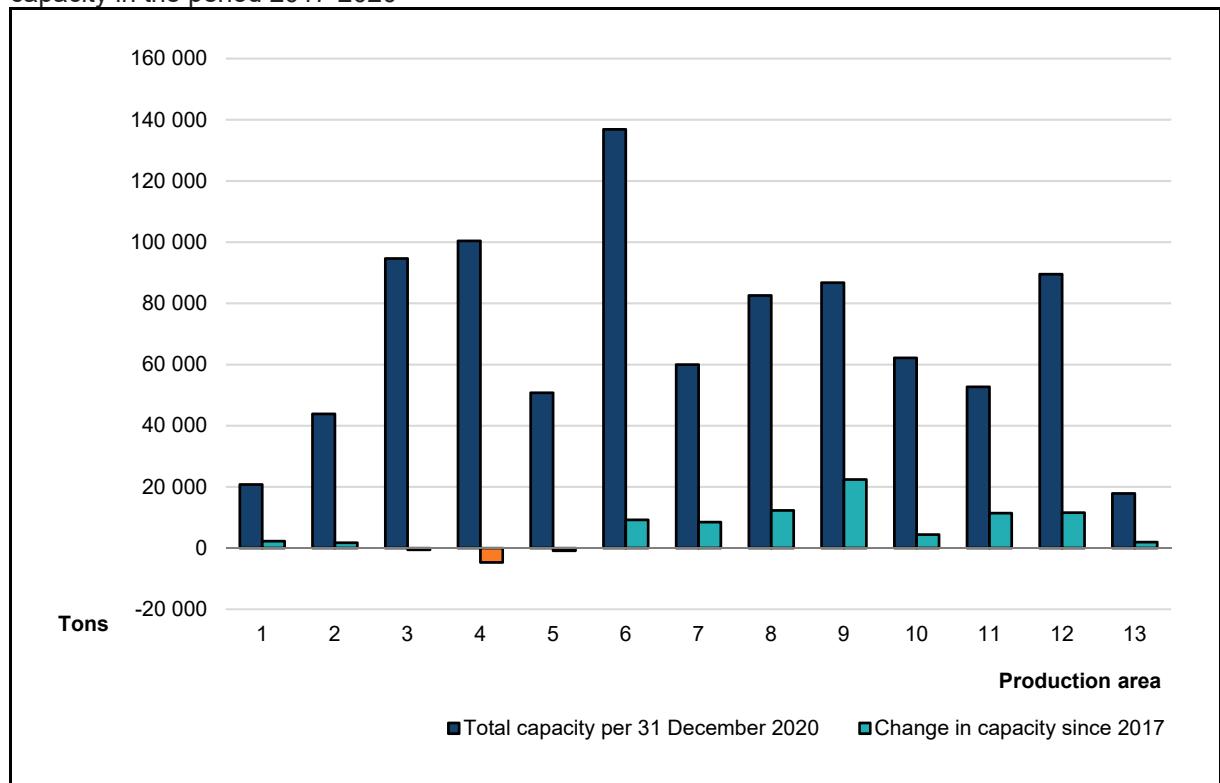
License capacity is maximum allowed biomass. Where biomass is the quantity of live fish at any given time (measured in kg or ton)

Table 6. Atlantic salmon and rainbow trout. License capacity per production area¹⁾ per 31 December 2020

Production area	Tons
1. Svenskegrense til Jæren	20 815
2. Ryfylke	43 888
3. Karmøy til Sotra	94 679
4. Nordhordland til Stadt	100 432
5. Stadt til Hustadvika	50 746
6. Nordmøre og Sør-Trøndelag	136 880
7. Nord-Trøndelag med Bindal	59 958
8. Helgeland til Bodø	82 554
9. Vestfjorden og Vesterålen	86 769
10. Andøya til Kvaløya	62 158
11. Kvaløya til Senja	52 709
12. Vest-Finnmark	89 541
13. Øst-Finnmark	17 851
Total	898 980

1) Capacity covered by the production area regulations

Figure 3. Total license capacity per 31 December 2020 by production area¹⁾, and changes in the capacity in the period 2017-2020



1) Capacity covered by the production area regulations

Licences with production

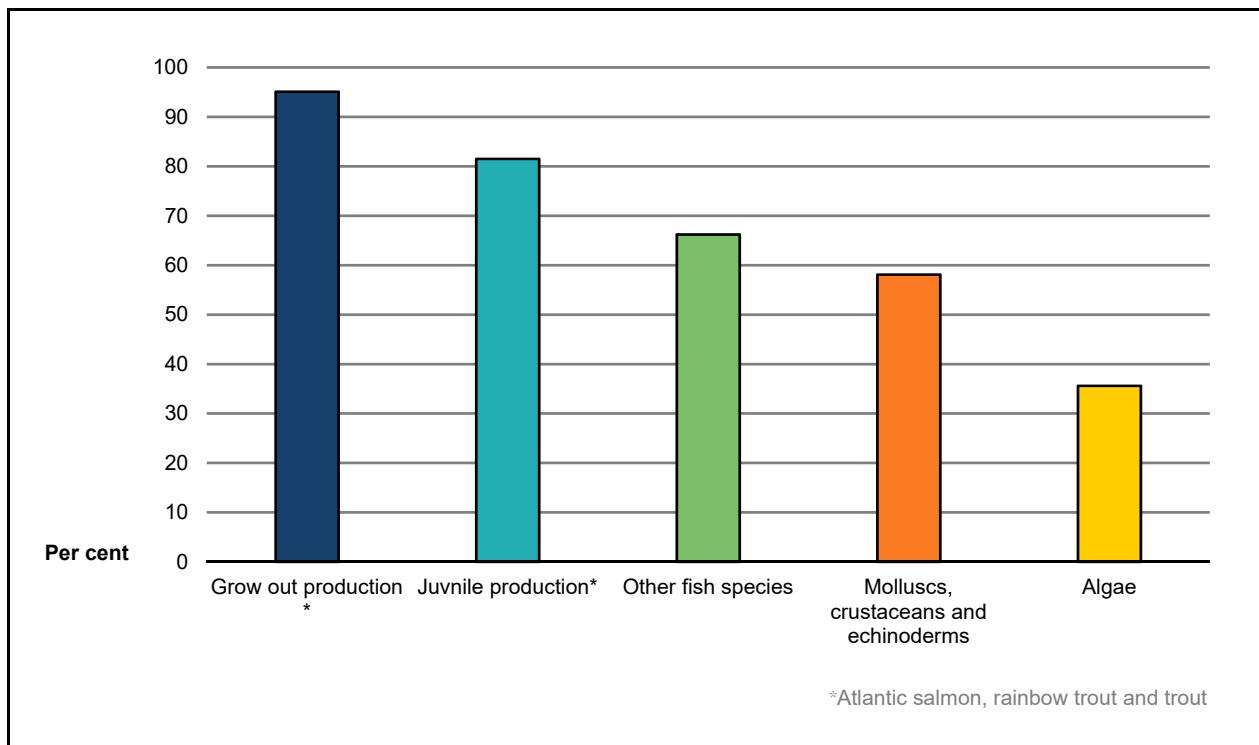
Table 7. Fish. Licenses with production in 2020, preliminary figures

County	Atlantic salmon, rainbow trout and trout		Other fish species	
	Grow out	Hatcheries	Grow out	Hatcheries
Troms og Finnmark	232	15	8	11
Nordland	243	30	15	16
Trøndelag	227	34	26	9
Møre og Romsdal	124	25	13	8
Vestland	289	65	32	21
Rogaland	80	14	8	5
Other counties	28	4	9	11
Total	1223	187	111	81

Table 8. Molluscs, crustaceans, echinoderms and algae. Licenses with production in 2020, preliminary figures

County	Molluscs, crustaceans and echinoderms	Algae
Troms og Finnmark	3	2
Nordland	35	70
Trøndelag	39	5
Møre og Romsdal	6	8
Vestland	25	95
Rogaland	10	0
Other counties	7	2
Total	125	182

Figure 4. The percentage of licenses with production 2020, preliminary figures



2. Sites

Source: The Directorate of Fisheries

Table 9. The number of sites in seawater per 31 December 2020

	Atlantic salmon and rainbow trout	Other fish species	Molluscs, crustaceans and echinoderms	Algae
County	Number	Number	Number	Number
Troms og Finnmark	196	6	3	3
Nordland	203	8	39	19
Trøndelag	163	9	40	10
Møre og Romsdal	80	3	2	8
Vestland	272	8	45	47
Rogaland	62	2	5	3
Agder	10	0	6	3
Other counties	0	0	1	0
Total	986	36	141	93

Table 10. The number of sites at land per 31. December 2020 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
Troms og Finnmark	0	1	15	0
Nordland	1	4	29	2
Trøndelag	1	0	31	0
Møre og Romsdal	2	4	21	3
Vestland	7	8	51	4
Rogaland	3	1	13	2
Agder	1	0	3	0
Other counties	13	1	5	0
Total	28	19	168	11

3. Companies with production

Source: The Directorate of Fisheries

Table 11. Fish. The number of companies with production in 2020, preliminary figures

County	Atlantic salmon, rainbow trout and trout		Other fish species	
	Grow out	Juvenile	Grow out	Juvenile
Troms og Finnmark	21	13	4	7
Nordland	33	14	11	11
Trøndelag	19	17	7	6
Møre og Romsdal	14	14	5	6
Vestland	45	37	9	10
Rogaland	16	10	3	5
Other counties	14	4	8	7
Totalt	162	109	47	52

Table 12. Molluscs, crustaceans, echinoderms and algae. The number of companies with production of in 2020, preliminary figures

County	Molluscs, crustaceans and echinoderms	Algae
Troms og Finnmark	2	2
Nordland	4	5
Trøndelag	8	2
Møre og Romsdal	3	7
Vestland	13	8
Rogaland	5	0
Other counties	5	1
Total	40	25

4. Employment

Source: *The Directorate of Fisheries*

Figure 5. Number of employees working with production of fish, molluscs, crustaceans and echinoderms 2010-2020

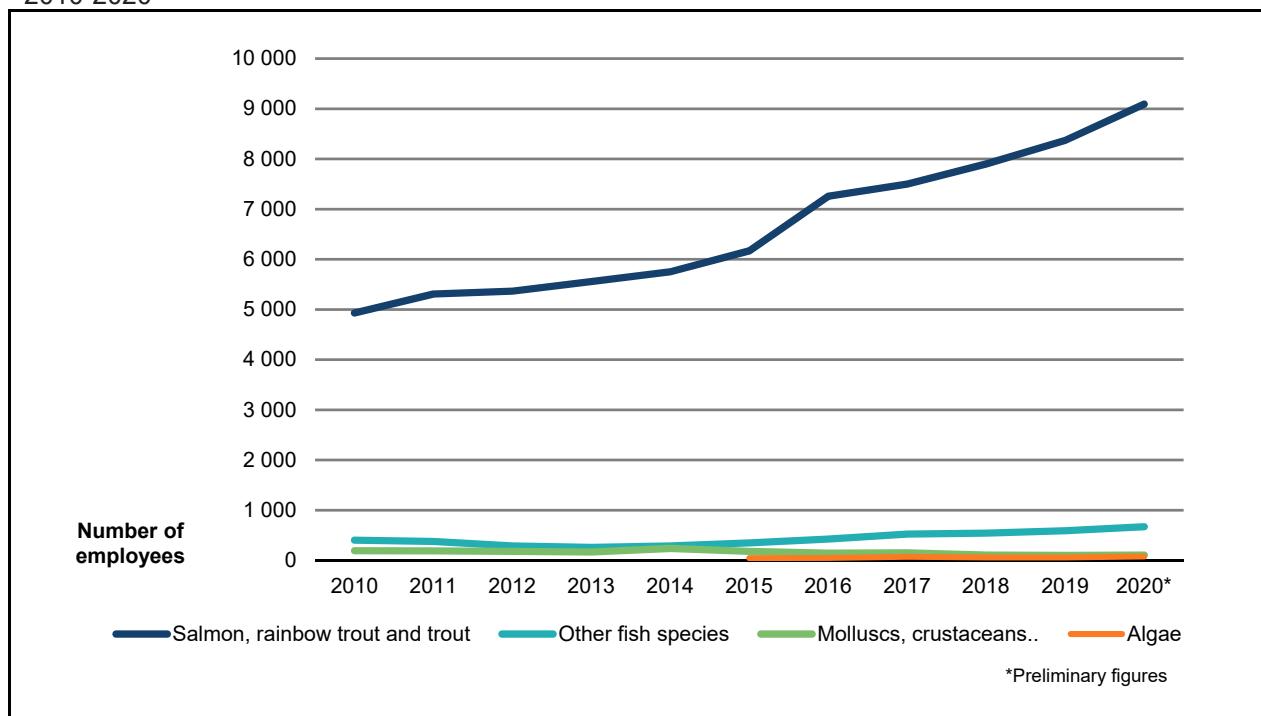
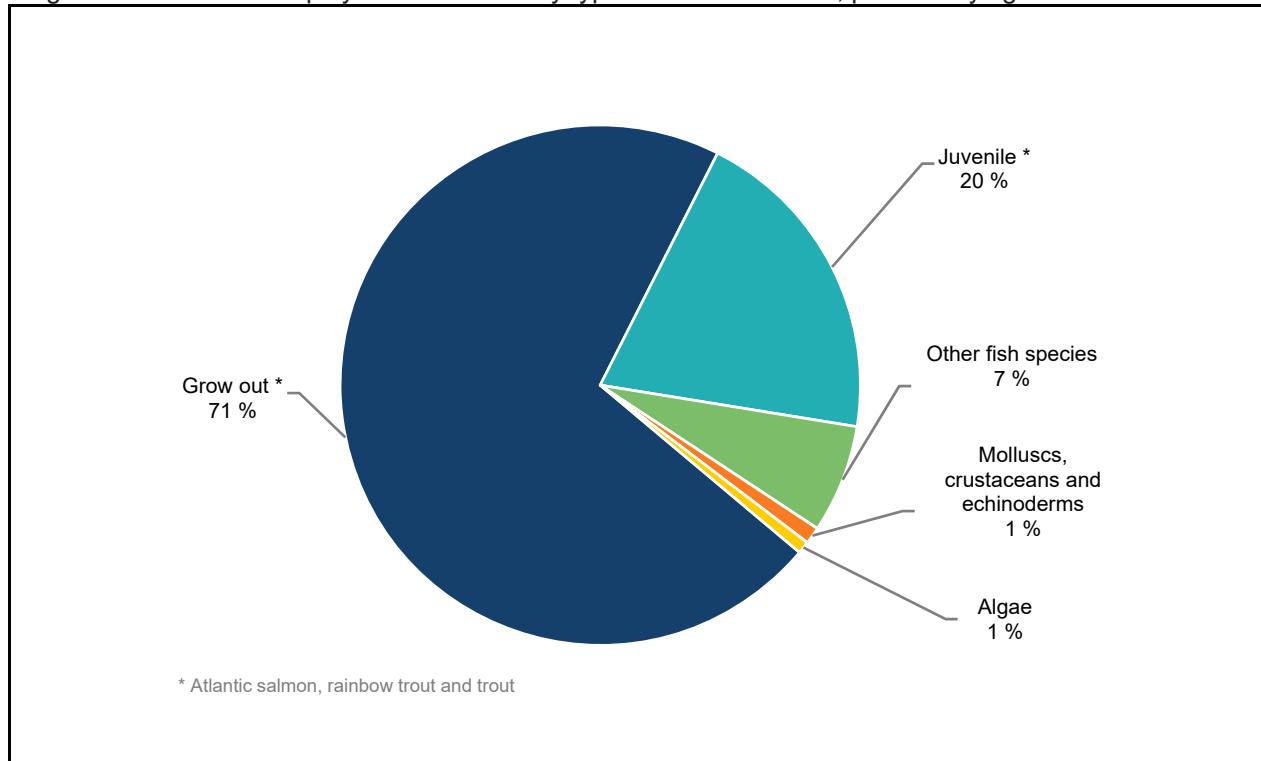


Figure 6. Number of employees distributed by type of license in 2020, preliminary figures



Atlantic salmon and rainbow trout

Table 13. Atlantic salmon, rainbow trout and trout. Employment in 2020, preliminary figures

County	Grow out fish, brood stock and R&D			Juvenile fish		
	Men	Women	Total	Men	Women	Total
Troms og Finnmark	1 183	200	1 383	169	49	218
Nordland	1 119	221	1 340	224	87	311
Trøndelag	1 167	166	1 333	216	325	541
Møre og Romsdal	653	81	734	171	80	251
Vestland	1 468	336	1 804	340	170	510
Rogaland	316	50	366	86	65	151
Other counties	116	18	134	13	4	17
Total	6 022	1 072	7 094	1 219	780	1 999

Table 14. Atlantic salmon, rainbow trout and trout. Man-Hours¹⁾ in 2020, preliminary figures

County	Grow out fish, brood stock and R&D			Juvenile fish		
	Men	Women	Total	Men	Women	Total
Troms og Finnmark	1 760 248	243 807	2 004 055	259 237	62 916	322 153
Nordland	1 639 431	252 074	1 891 505	360 846	125 603	486 449
Trøndelag	1 765 374	207 584	1 972 958	305 553	111 401	416 954
Møre og Romsdal	905 998	104 025	1 010 023	250 006	87 179	337 185
Vestland	2 006 329	381 595	2 387 924	463 347	160 018	623 365
Rogaland	441 226	48 324	489 550	114 087	68 946	183 033
Other counties	144 421	16 057	160 478	18 351	5 510	23 861
Total	8 663 027	1 253 466	9 916 493	1 771 427	621 573	2 393 000

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

Other fish species

Table 15. Other fish species. Employment in 2020, preliminary figures

County	Grow out production			Juvenile		
	Men	Women	Total	Men	Women	Total
Troms og Finnmark	11	0	11	33	19	52
Nordland	19	3	22	60	28	88
Trøndelag	29	9	38	61	30	91
Møre og Romsdal	12	7	19	47	22	69
Vestland	18	13	31	83	61	144
Rogaland and other counties	33	9	42	37	26	63
Total	122	41	163	321	186	507

Table 16. Other fish species. Man-Hours¹⁾ in 2020, preliminary figures

County	Grow out production			Juvenile		
	Men	Women	Total	Men	Women	Total
Troms og Finnmark	7 455	0	7 455	43684	21172	64 856
Nordland	28 115	3 790	31 905	74 518	27 591	102 109
Trøndelag	24 900	6 357	31 257	80 804	33 721	114 525
Møre og Romsdal	20 400	11 175	31 575	66 529	31 160	97 689
Vestland	22 060	19 030	41 090	123 663	78 837	202 500
Rogaland and other counties	42 500	9 250	51 750	64 293	36 887	101 180
Total	145 430	49 602	195 032	453 491	229 368	682 859

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

Molluscs, crustaceans and echinoderms

Table 17. Employment in the production of molluscs, crustaceans and echinoderms in 2020, preliminary figures

County	Employees			Man-Hours ¹⁾		
	Men	Women	Total	Men	Women	Total
Troms og Finnmark	:	:	:	:	:	:
Nordland	12	1	13	10 900	100	11 000
Trøndelag	27	16	43	32 815	15 040	47 855
Møre og Romsdal	:	:	:	:	:	:
Vestland	18	7	25	5 650	990	6 640
Rogaland	7	1	8	2 500	300	2 800
Other counties	10	1	11	2 601	100	2 701
Total	79	26	105	57 756	16 530	74 286

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

Algae

Table 18. Employment in the production of algae in 2020, preliminary figures

County	Employees			Man-Hours ¹⁾		
	Men	Women	Total	Men	Women	Total
Total	57	19	76	22 751	5 207	27 958

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

5. Sale

Source: The Directorate of Fisheries

Atlantic salmon and rainbow trout

Figure 7. Sale of Atlantic salmon and rainbow trout (grow out production) 2010-2020

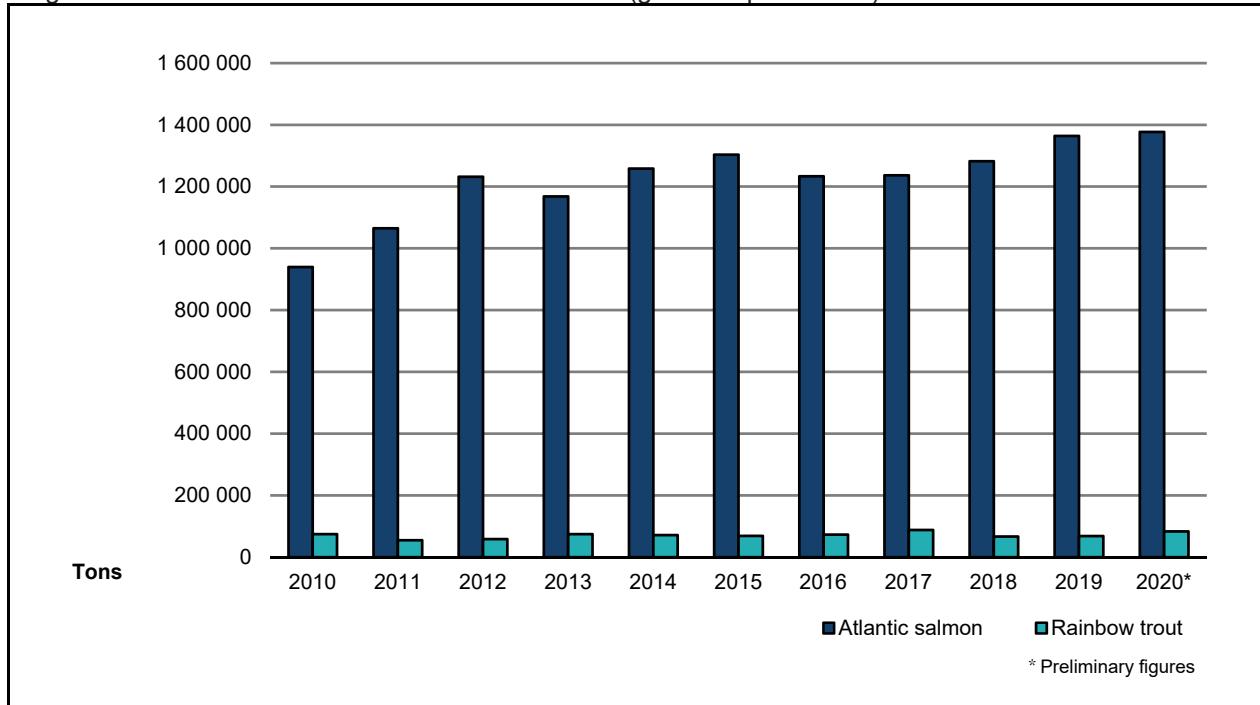


Table 19. Atlantic salmon and rainbow trout. Sale of in 2020, preliminary figures. Quantity in metric tons round weight, value in 1000 NOK and prices in NOK per kg

County	Grow out production						
	Atlantic salmon			Rainbow trout			
Quantity	Value	Price per kg	Quantity	Value	Price per kg		
Troms og Finnmark	292 550	13 342 475	45.61	1 302	54 143	41.60	
Nordland	298 847	14 358 223	48.05	2 479	102 887	41.50	
Trøndelag	322 784	15 548 196	48.17	5 302	208 704	39.37	
Møre og Romsdal	84 960	4 037 942	47.53	10 248	407 812	39.80	
Vestland	282 519	13 165 431	46.60	76 467	2 861 344	37.42	
Rogaland	84 341	3 915 402	46.42	760	31 216	41.09	
Other counties	11 184	517 410	46.26	77	4 531	59.05	
Total	1 377 185	64 885 079	47.11	96 633	3 670 638	37.99	

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

Year	Total sale	10 largest	Percentage
2016	1 321 471	897 262	67.9
2017	1 303 352	874 016	67.1
2018	1 350 348	909 165	67.3
2019	1 447 531	955 460	66.0
2020 ¹⁾	1 473 950	971 656	65.9

1) Preliminary figures

Figure 8. Sale of juvenile fish of Atlantic salmon and rainbow trout 2010-2020

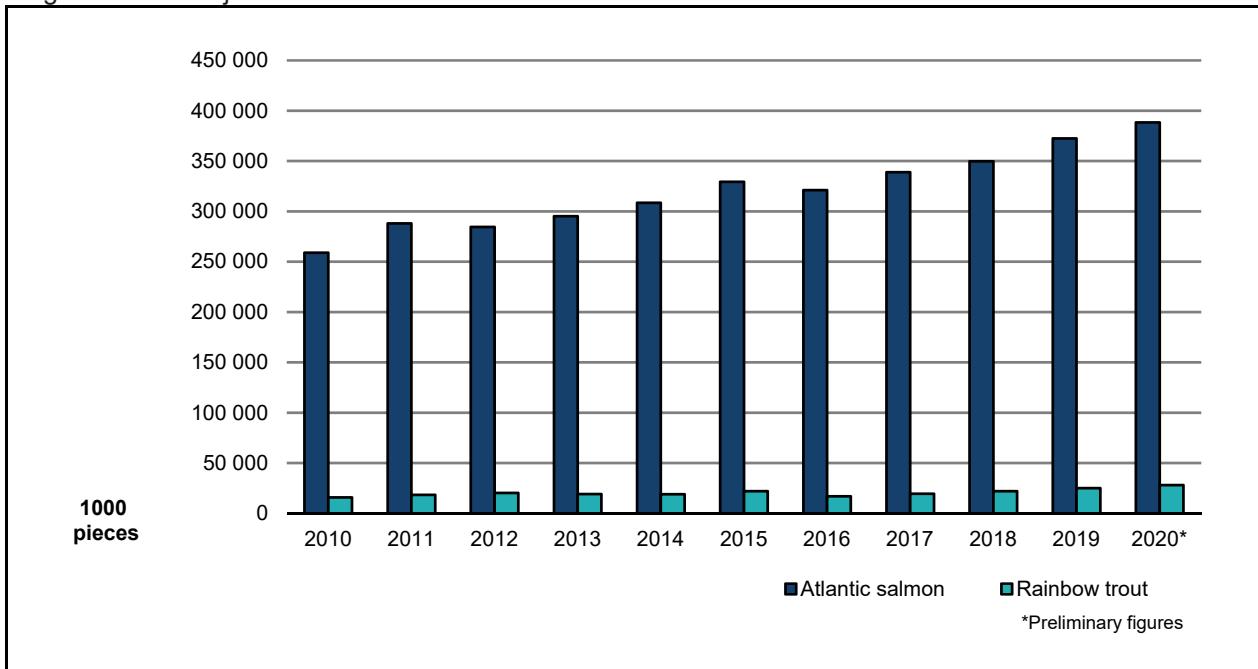


Table 21. Atlantic salmon and rainbow trout. Sale of juvenile fish in 2020, preliminary figures. Numbers in 1000 pieces, value in 1000 NOK and prices in NOK per fish

County	Juvenile fish					
	Atlantic salmon			Rainbow trout		
Number	Value	Price per fish	Number	Value	Price per fish	
Troms og Finnmark	58 028	905 095	15.60	0	0	0
Nordland	99 759	1 515 861	15.20	401	9 147	22.81
Trøndelag	82 429	1 149 377	13.94	1 269	17 056	13.44
Møre og Romsdal	44 316	777 993	17.56	3 053	63 018	20.64
Vestland	79 552	1 594 322	20.04	18 570	251 978	13.57
Rogaland	19 549	503 105	25.74	783	12 310	15.72
Other counties	4 836	70 183	14.51	136	1 530	11.25
Total	388 469	6 515 936	16.77	24 212	355 039	14.66

Table 22. Atlantic salmon and rainbow trout. Sale of juvenile fish by size group in 2020, preliminary figures. Numbers in 1000 pieces

County	Juvenile fish					
	Laks			Regnbueørret		
	< 250 gram	> 250 gram	Total	< 250 gram	> 250 gram	Total
Troms og Finnmark	56 800	1 228	58 028	0	0	0
Nordland	88 172	11 587	99 759	105	296	401
Trøndelag	80 489	1 940	82 429	1 269	0	1 269
Møre og Romsdal	33 772	10 544	44 316	2 687	366	3 053
Vestland	60 655	18 897	79 552	18 125	445	18 570
Rogaland	6 929	12 620	19 549	783	0	783
Other counties	4 836	0	4 836	136	0	136
Total	331 653	56 816	388 469	23 105	1 107	24 212

Size groups:

< 250 gram = weight less than 250 gram

> 250 gram = weight higher than 250 gram

Sale of other fish species than Atlantic salmon and rainbow trout

Figure 9. Sale of other fish species 2010-2020

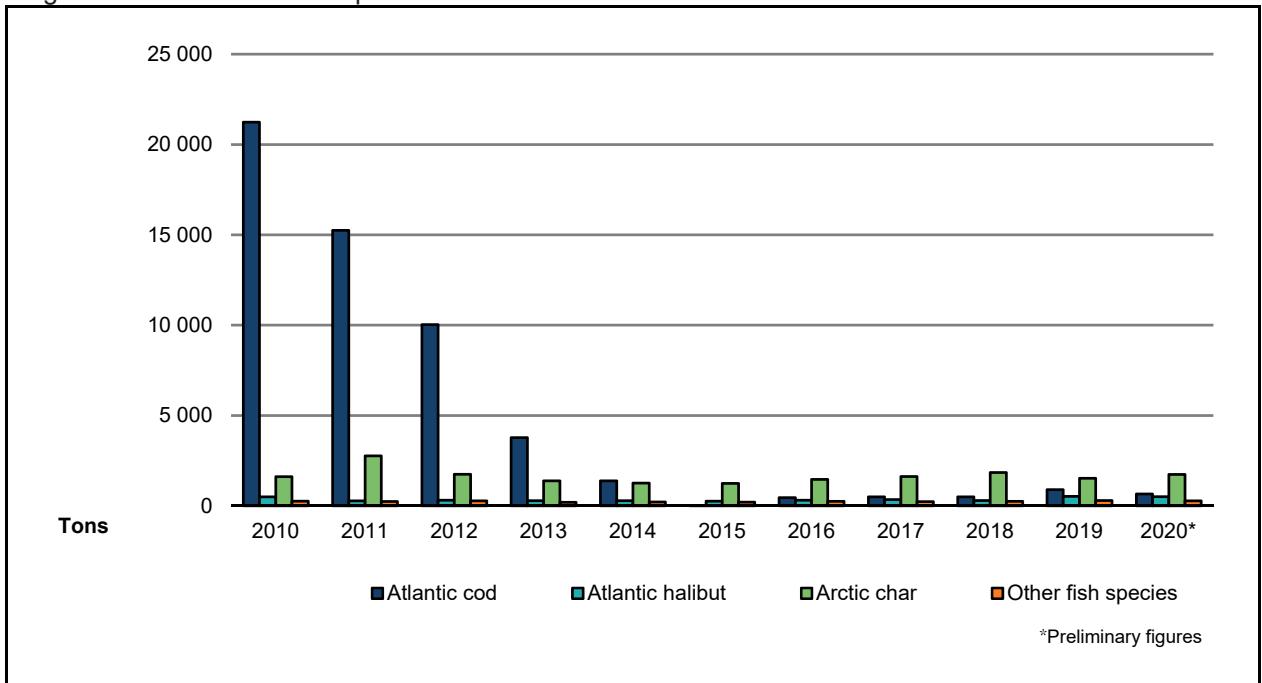


Table 23. Other fish species. Sale in 2020, preliminary figures. Quantity in metric tons round weight and value in 1000 NOK

County	Quantity	Value	Species	Quantity	Quantity
Troms og Finnmark	43	2 189	Atlantic cod	652	20 173
Nordland	737	32 108	Arctic char	501	32 647
Trøndelag	237	13 876	Atlantic halibut	1 733	166 041
Møre og Romsdal	246	24 928	Other species	274	20 559
Vestland	181	8 890	Total	3 160	239 421
Rogaland and other counties	1 716	157 429			
Total	3 160	239 421			

Table 24. Other fish species. Sale of juveniles in 2020, preliminary figures. Quantity in 1000 pieces and value in 1000 NOK

Species	Quantity	Value
Atlantic cod	6 240	48 414
Arctic char	813	7 101
Atlantic halibut	502	47 429
Other species	140	0
Total	7 694	102 944

Sale of molluscs, crustaceans and echinoderms

Figure 10. Gross sale of molluscs, crustaceans and echinoderms 2010-2020

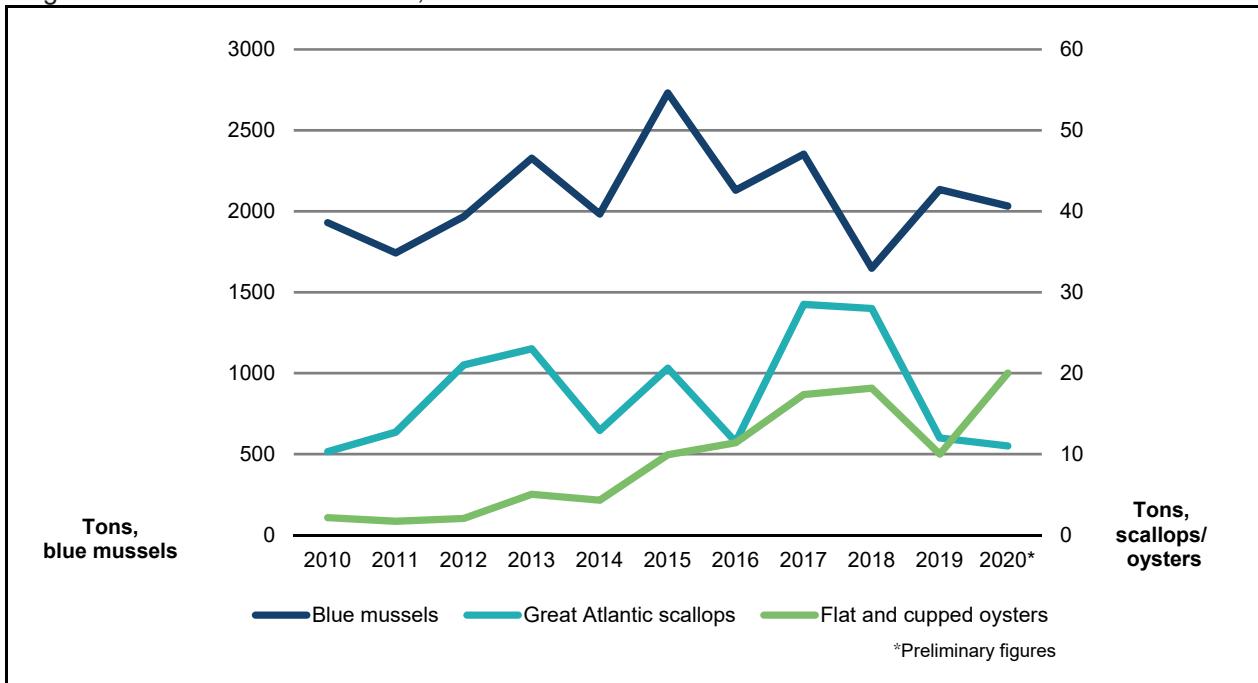


Table 25. Molluscs, crustaceans and echinoderms. Sale in 2020, preliminary figures. Quantity in metric tons and value in 1000 NOK

County	Quantity	Value	Species	Quantity	Value
Troms og Finnmark	:	:	Blue mussels	2 033	18 945
Nordland	666	2 803	Great Atlantic scallops	11	600
Trøndelag	1 321	15 906	Oysters	20	930
Møre og Romsdal	:	:	Others species	7	2 936
Hordaland	31	1 486	Total	2 071	23 411
Rogaland	0	90			
Other counties	40	254			
Total	2 071	23 411			

Sale of farmed algae

Figur 11. Harvesting of farmed algae 2014-2020

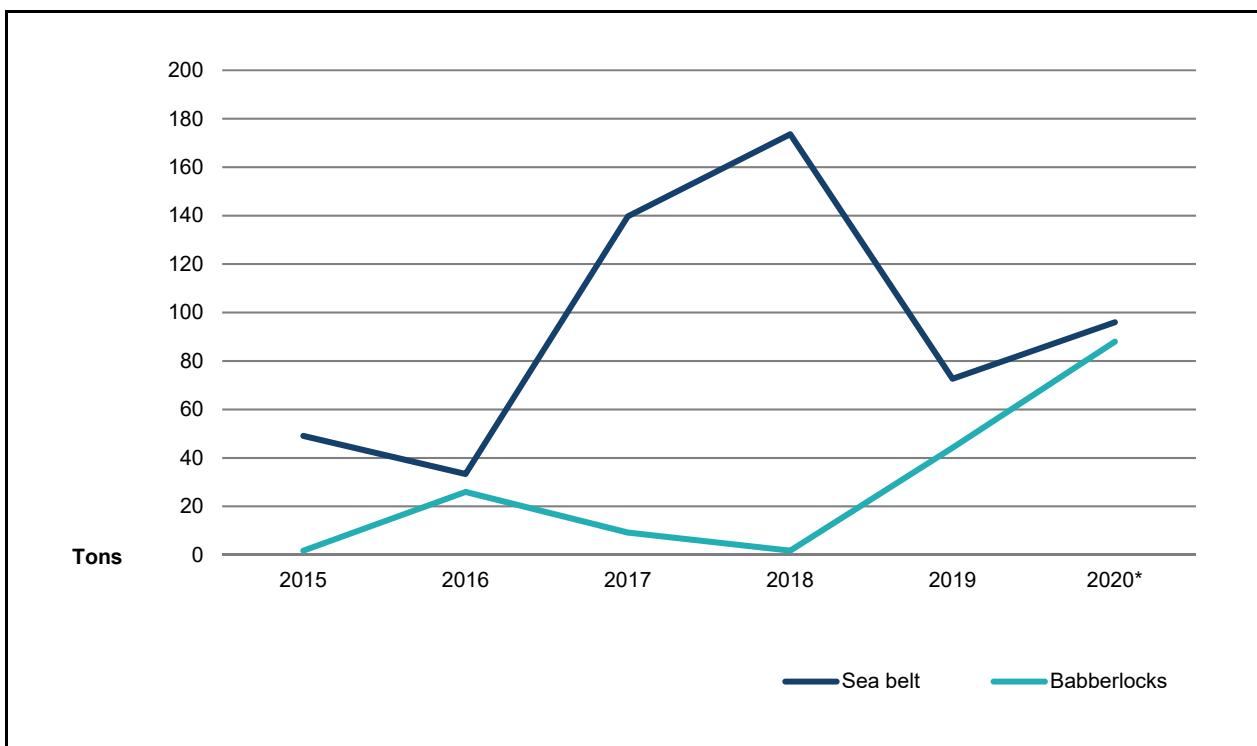


Table 26. Algae. Harvesting for feed and human consumption in 2020, preliminary figures. Quantity in metric tons and value in 1000 NOK

Species	Quantity	Value
Sea belt	96	2 631
Babberlocks	88	2 208
Others species	0	9
Total	185	4 848

6. Losses in the production

Source: The Directorate of Fisheries

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 2020, preliminary figures. Quantity in 1000 pieces

County	Dead	Rejected	Escapes	Others	Total
Troms og Finnmark	12 210	602	9	2 593	15 414
Nordland	6 364	133	7	908	7 412
Trøndelag	9 341	340	9	58	9 749
Møre og Romsdal	3 704	154	12	688	4 558
Vestland	13 592	1 159	5	1 926	16 682
Rogaland	4 313	544	0	310	5 167
Other species	783	25	0	-12	797
Total	50 308	2 957	43	6 471	59 778

Table 28. Rainbow trout. Losses in the production in 2020, preliminary figures. Quantity in 1000 pieces

County	Dead	Rejected	Escapes	Others	Total
Troms og Finnmark	8	0	0	0	8
Nordland	72	0	0	0	72
Trøndelag	38	4	0	26	68
Møre og Romsdal	592	5	0	1	598
Vestland	2 516	291	1	196	3 004
Rogaland	8	6	0	7	20
Other species	12	2	0	0	14
Total	3 246	308	1	230	3 785

Table 29. Other fish species. Losses in the production in 2020, preliminary figures. Quantity in 1000 pieces

County	Dead	Rejected	Escapes	Others	Total
Troms og Finnmark	2	0	0	9	11
Nordland	76	4	0	0	80
Trøndelag	541	17	0	0	558
Møre og Romsdal	45	0	0	0	45
Vestland	62	0	0	0	62
Rogaland and other counties	185	8	0	0	193
Total	911	29	0	9	938

7. Cleaner fish

Source: *The Directorate of Fisheries*

Use of cleaner fish

Figure 12. Number of cleaner fish in the cages with Atlantic salmon and rainbow trout 2010-2020

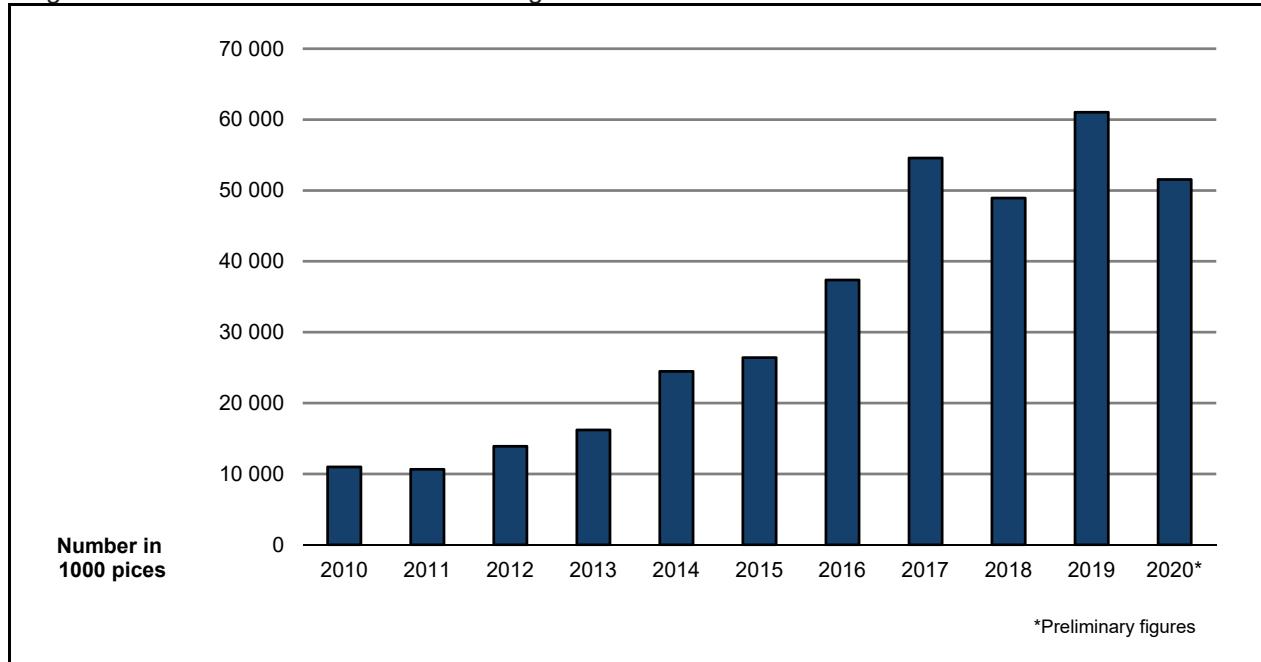
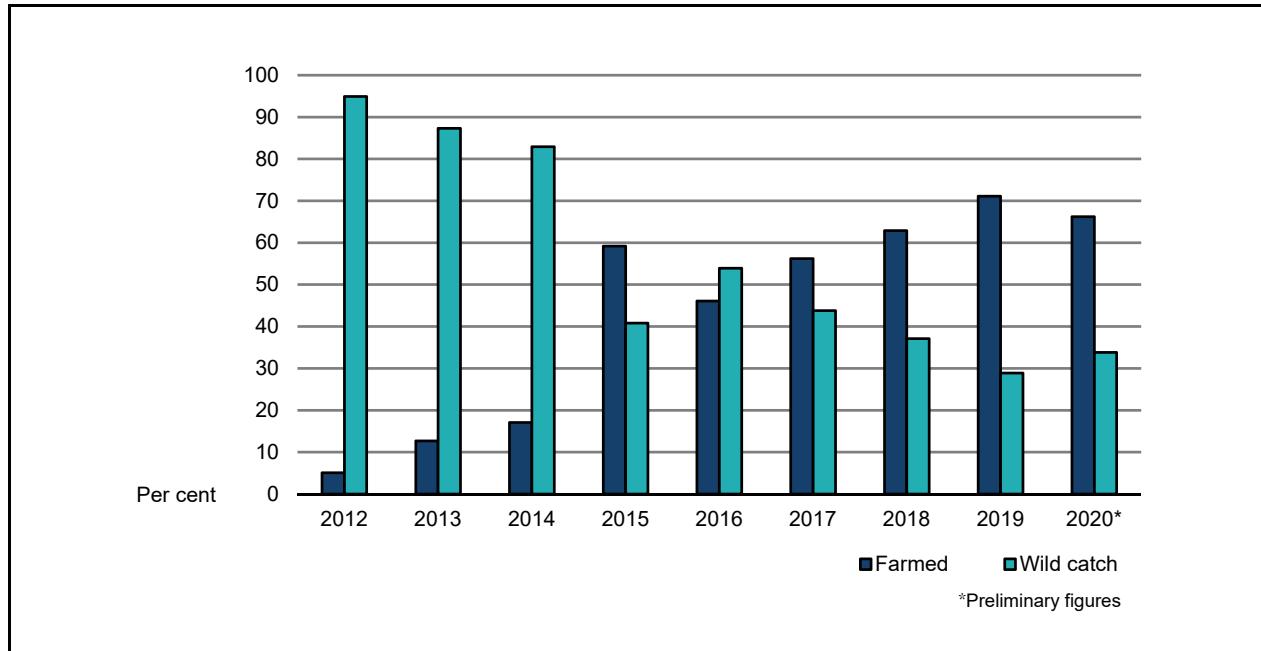


Figure 13. Percentage of farmed and wild catch cleaner fish with Atlantic salmon and rainbow trout 2012-2020



Use of cleaner fish

Table 30. Number of cleaner fish (farmed and wild catch) in the cages with Atlantic salmon and rainbow trout in 2020, preliminary figures. Numbers in 1000 pieces and value in 1000 NOK

County	Number	Value
Troms og Finnmark	4 365	86 447
Nordland	4 434	84 115
Trøndelag	8 588	243 462
Møre og Romsdal	7 559	252 488
Vestland	18 462	381 003
Rogaland	6 976	173 776
Øvrige fylker	1 160	40 170
Total	51 543	1 261 461

Table 31. Total number of cleaner fish (farmed and wild catch) in the cages with Atlantic salmon and rainbow trout by species in 2020, preliminary figures. Number in 1000 pieces and value in 1000 NOK

Species	Number	Value
Lumpfish	34 347	798 085
Ballan wrasse	3 317	194 775
Goldsinny wrasse	7 388	154 288
Corkwing wrasse	6 321	111 788
Rock cook	170	2 526
Non specified	0	0
Total	51 543	1 261 461

Farmed cleaner fish

Table 32. Sale of farmed cleaner fish to producers of Atlantic salmon and rainbow trout in 2020, preliminary figures. Numbers in 1000 pieces and value in 1000 NOK

County	Number	Value
Ballan wrasse	1 301	116 269
Lumpfish	36 533	695 003
Other species	0	0
Total	37 834	811 272

8. Export

Source: Norwegian Seafood Council

Figure 14. Main markets for Atlantic salmon in 2020

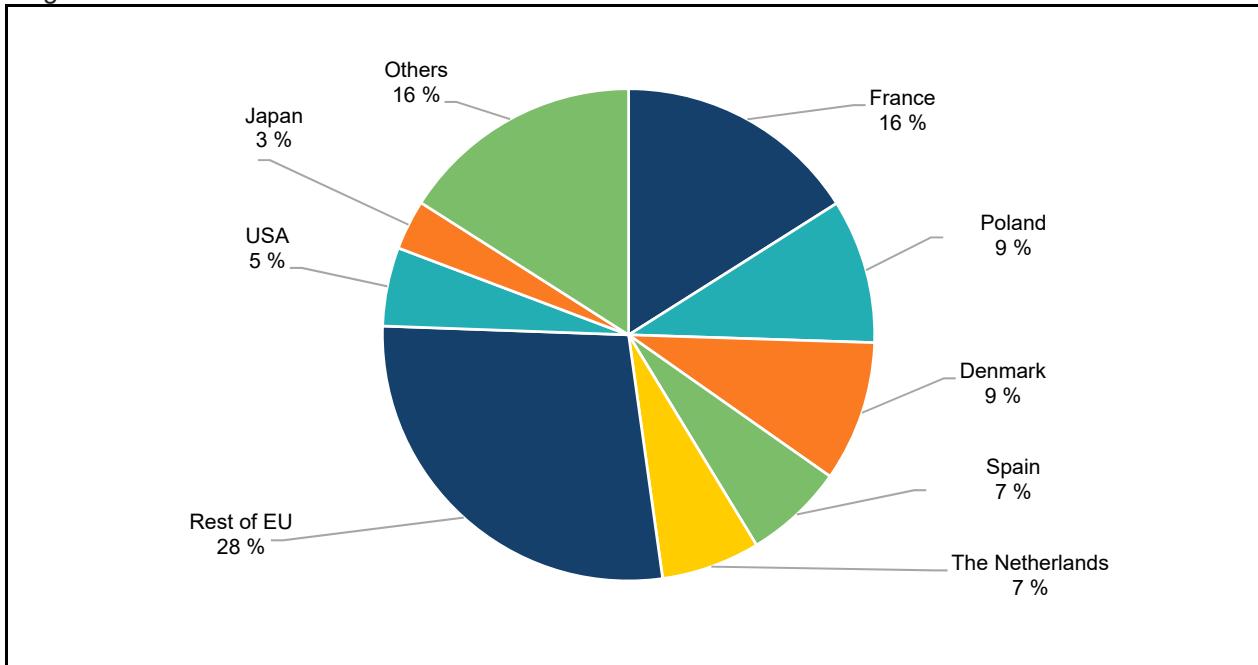


Table 33. Atlantic salmon. Export specified by country. Weight in metric tons (round weight) and value in mill. NOK

Salmon, round	2019			2020			Changes (%)	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
France	179 836	9 204	51.18	210 588	9 807	46.57	17 %	7 %
Poland	113 558	5 775	50.86	124 648	5 787	46.43	10 %	0 %
Denmark	116 045	6 433	55.43	121 373	6 532	53.82	5 %	2 %
Spain	81 902	4 517	55.15	86 099	4 626	53.73	5 %	2 %
The Netherlands	75 888	4 153	54.73	85 307	4 489	52.62	12 %	8 %
Great Britain	72 696	3 986	54.83	73 991	4 005	54.13	2 %	0 %
Rest of EU	302 190	16 639	55.06	291 133	15 222	52.29	-4 %	-9 %
EU	942 115	50 706	53.82	993 138	50 469	50.82	5 %	0 %
USA	67 942	5 075	74.69	68 005	5 075	74.62	0 %	0 %
Japan	43 109	2 806	65.08	43 022	2 592	60.24	0 %	-8 %
South-Korea	32 343	2 155	66.62	35 698	2 211	61.92	10 %	3 %
Others countries	197 936	11 659	58.90	174 299	9 724	55.79	-12 %	-17 %
Total	1 283 445	72 400	56.41	1 314 163	70 069	53.32	2 %	-3 %

Table 34. Atlantic salmon. Export specified by product. Weight in metric tons (round weight) and value in mill. NOK

Product	2019			2020			Changes (%)	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
Fresh fish	1 043 873	56 532	54.16	1 043 236	52 820	50.63	0 %	-7 %
Fresh fillet	130 993	8 865	67.68	155 936	9 782	62.73	19 %	10 %
Frozen fish	23 068	1 222	52.97	17 420	882	50.63	-24 %	-28 %
Frozen fillet	72 411	4 852	67.01	83 793	5 701	68.04	16 %	17 %
Other products	13 100	929	70.90	13 778	884	64.18	5 %	-5 %
Total	1 283 445	72 400	56.41	1 314 163	70 069	53.32	2 %	-3 %

Figure 15. Main markets for rainbow trout in 2020

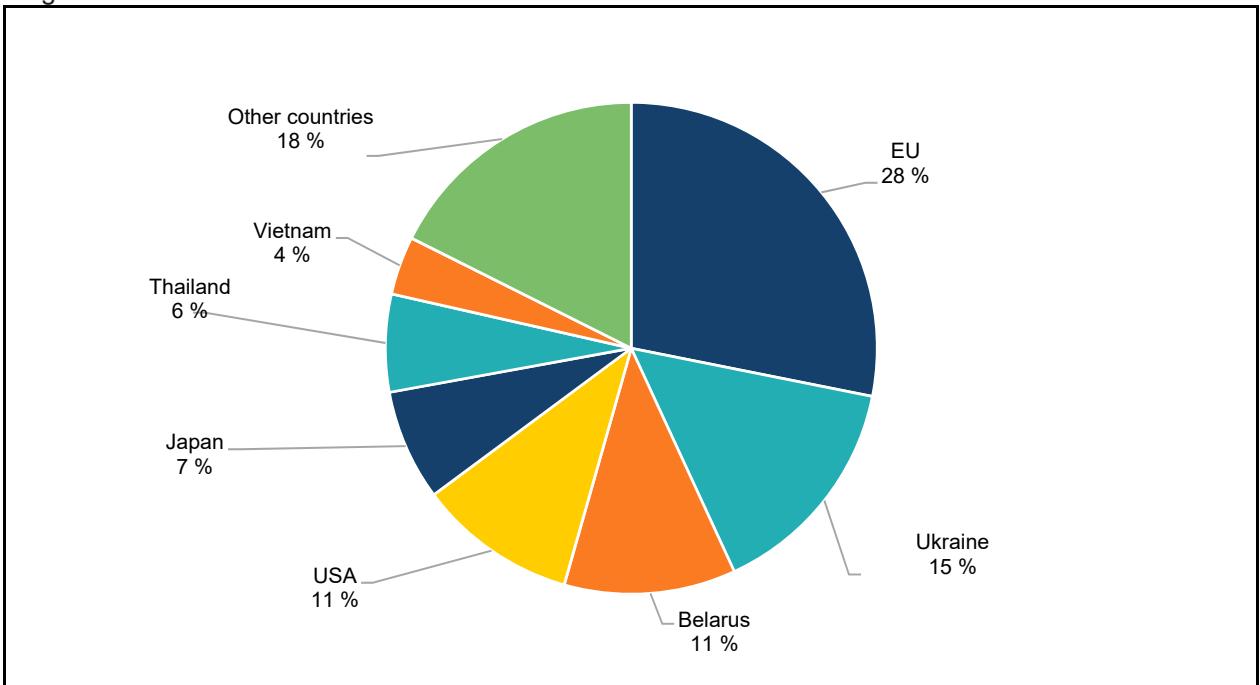


Table 35. Rainbow trout. Export specified by country. Weight in metric tons (round weight) and value in mill. NOK

Rainbow trout, round	2019			2020			Changes (%)	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
EU	12 607	575	45.63	24 468	992	40.54	94 %	72 %
Ukraine	6 192	248	40.10	13 026	486	37.30	110 %	96 %
Belarus	14 145	676	47.80	9 807	400	40.80	-31 %	-41 %
USA	9 191	535	58.21	9 080	451	49.65	-1 %	-16 %
Japan	4 997	274	54.82	6 339	328	51.67	27 %	20 %
Thailand	6 379	327	51.19	5 583	272	48.69	-12 %	-17 %
Vietnam	2 208	97	44.02	3 342	139	41.59	51 %	43 %
Other countries	16 870	942	55.81	15 307	799	52.23	-9 %	-15 %
Total	72 588	3 674	50.61	86 952	3 867	44.47	20 %	5 %

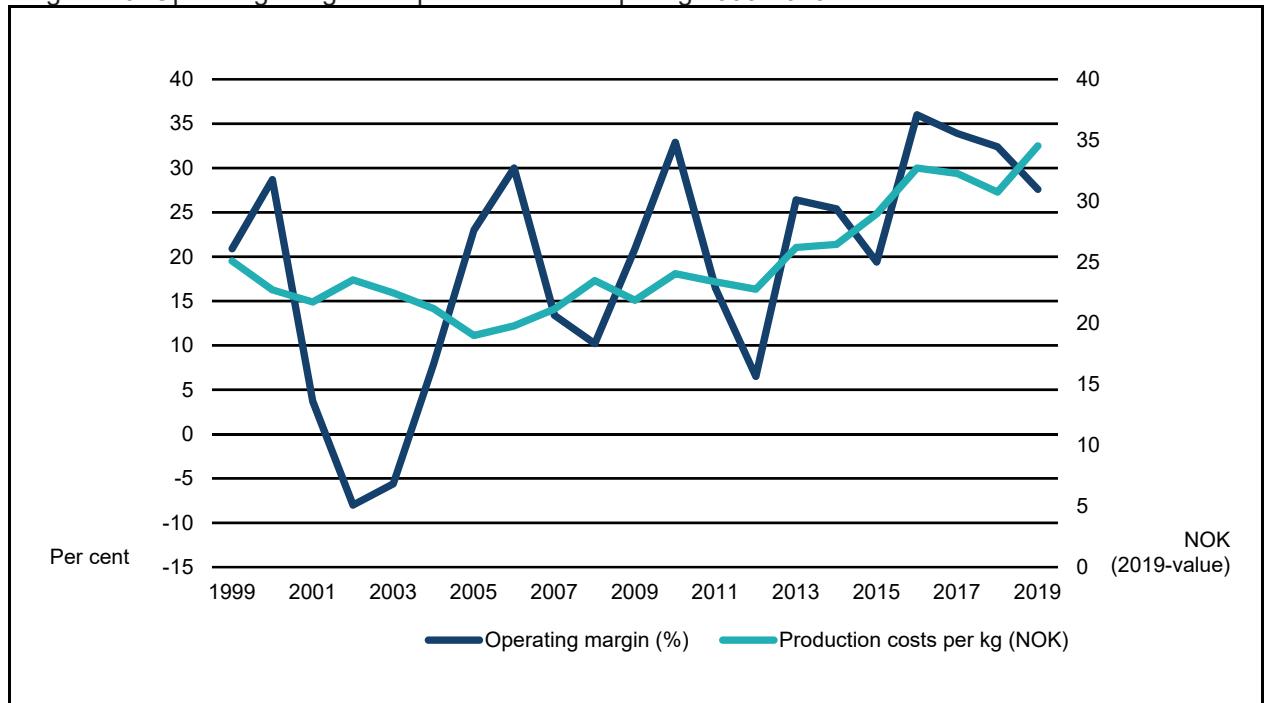
Table 36. Rainbow trout. Export specified by product. Weight in metric tons (round weight) and value in mill. NOK

Product	2019			2020			Changes (%)	
	Weight	Value	NOK/kg	Weight	Value	NOK/kg	Weight	Value
Fresh fish	45 025	2 208	49.04	59 029	2 573	43.60	31 %	17 %
Fresh fillet	7 297	458	62.75	5 910	329	55.67	-19 %	-28 %
Frozen fish	13 975	620	44.39	14 803	550	37.18	6 %	-11 %
Frozen fillet	3 598	139	38.69	5 217	229	43.86	45 %	64 %
Other products	2 692	248	92.27	1 993	185	92.94	-26 %	-25 %
Total	72 588	3 674	50.61	86 952	3 867	44.47	20 %	5 %

9. Economic

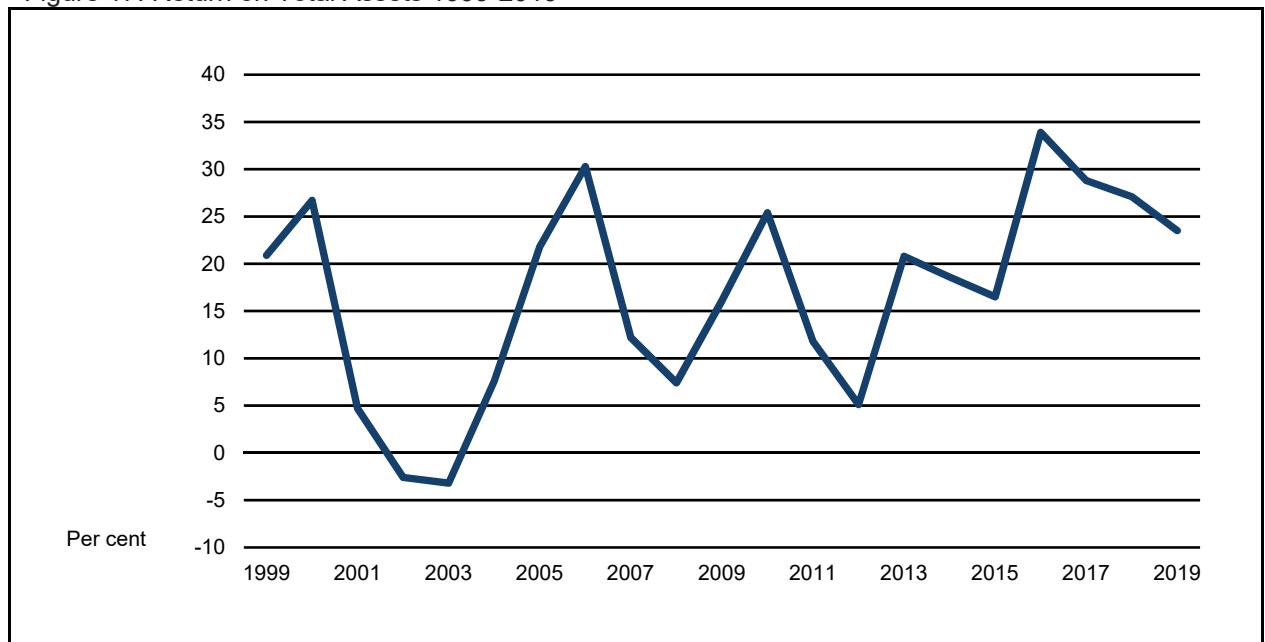
Source: *The Directorate of Fisheries*

Figure 16. Operating margin and production costs per kg 1999-2019¹⁾



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

Figure 17. Return on Total Assets 1999-2019



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 2019. Figures in per cent

	Grow out production	Hatcheries
Return on Total Assets	23.5	6.8
Operating Margin	27.6	15.6
Quick Ratio	193.1	160.2
Equity Ratio	49.4	34.2

Costs

Table 38. Atlantic salmon and rainbow trout. Costs per kg produced fish (round weight) in average per company in 2019. Numbers in NOK.

	Grow out production
Smolt costs per kg	4.10
Feeding costs per kg	15.63
Insurance costs (fish) per kg	0.15
Wages and salaries per kg	3.19
Depreciation per kg	2.58
Other operating expenses per kg	8.98
Net Financial Expenses per kg	-0.10
Slaughter costs and freight charges per kg	3.72
Costs per kg	38.26

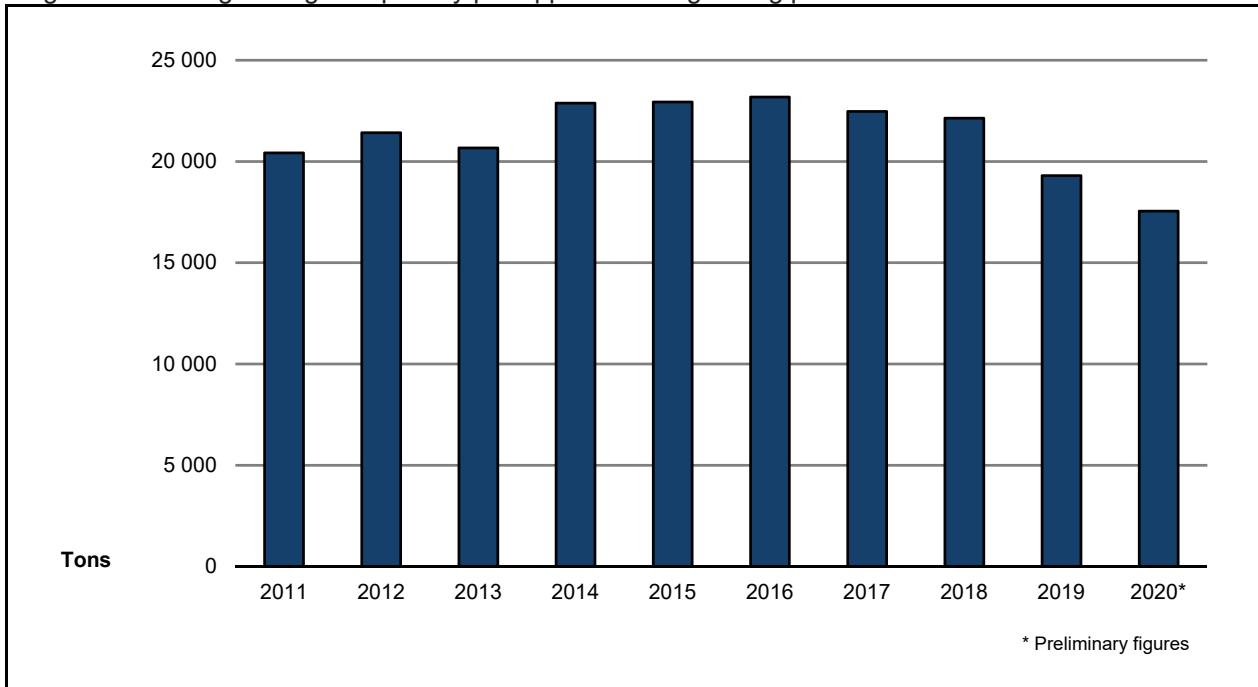
Table 39. Atlantic salmon and rainbow trout. Costs per number sold fry and smolt in average per company in 2019. Numbers in NOK.

	Hatcheries
Roe and fry costs	2.11
Feeding costs	2.13
Insurance	0.13
Vaccination costs.	1.60
Wages and salaries	2.28
Depreciation	1.50
Electricity costs	0.81
Other operating expenses	2.74
Net financial expenses	0.61
Costs per sold fry and smolt	13.90

10. Approved slaughtering plants for salmonids

Source: *The Norwegian Food Safety Authority*

Figure 18. Average slaughter quantity per approved slaughtering plants 2011-2020



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. The number of approved slaughtering plants for farmed salmonids

County	2016	2017	2018	2019	2020
Troms og Finnmark	12	12	12	12	14
Nordland	14	14	13	13	13
Trøndelag	9	9	10	11	10
Møre og Romsdal	5	5	5	6	8
Vestland	12	13	17	28	29
Rogaland	4	4	3	3	4
Other counties	1	1	1	2	6
Total	57	58	61	75	84

11. Related activities

Insurance

Source: *Finance Norway (FNO)*

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

	2016	2017	2018	2019	2020
Premium	203.6	220.7	222.2	226.0	238.1
Compensation	144.3	211.0	178.4	271.7	143.7
Accident index	71 %	96 %	80 %	120 %	60 %

Use of veterinary drugs

Source: *Norwegian Institute of Public Health*

Table 42. Use of veterinary drugs¹⁾ in the Norwegian fish farming industry. Quantity in kg

	2016	2017	2018	2019	2020
Antibacterial agents	212	626	933	213	229
Anaesthetic agents	17 057	15 422	13 670	16 536	18 665
Agents against intestinal worms	518	380	171	50	123
Agents against surface infections	41 472	48 040	42 714	43 049	52 923
Agents against lice	10 625	2 450	779	1 757	3 014
Hydrogen peroxide	26 597 000	9 277 000	6 735 000	4 523 000	5 084 000

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

Use of feed

Source: *Norwegian Seafood Federation*

Table 43. Use of feed in the Norwegian fish farming industry. Quantity in metric tons

Month	2016	2017	2018	2019	2020
January	107 609	117 177	111 245	119 328	121 137
February	86 263	89 099	91 459	94 181	99 580
March	87 864	91 738	85 777	96 932	115 336
April	88 279	93 215	84 004	116 947	113 603
May	111 960	111 428	127 722	137 246	119 340
June	137 601	146 339	150 674	155 564	157 964
July	178 012	185 712	186 799	200 457	201 533
August	221 308	235 135	225 058	227 255	234 384
September	210 611	215 768	209 187	224 865	236 961
October	177 491	223 144	221 382	205 478	230 930
November	164 829	175 905	195 630	168 718	193 564
December	137 085	144 577	152 454	147 794	164 770
Total	1 708 912	1 829 236	1 841 391	1 894 766	1 989 103

Well boats

Source: *the Association of Coastal Shipowners*

Tabell 44. The number of well boats¹⁾

County	2016	2017	2018	2019	2020
Troms og Finnmark	3	5	4	1	1
Nordland	12	11	7	10	2
Trøndelag	0	6	0	7	15
Møre og Romsdal	31	36	51	40	55
Vestland	14	8	7	15	14
Rogaland	0	0	0	9	0
Other counties	0	0	0	4	8
Total	60	66	69	86	95

1) Based on members in the Association of Coastal Shipowners



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