



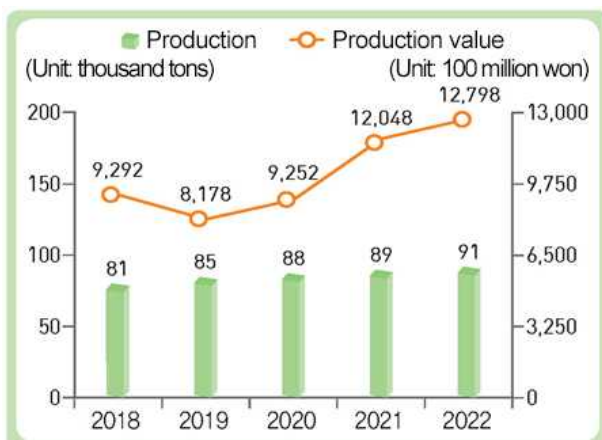
Preliminary Results of the Survey on the Status of Fish Culture in 2022

■ In 2022, the number of workers, the production, the production value, the fish culture area and the number of cultured fishes showed a year-on-year increase owing to increased demand for eating out resulting from measures to ease social distancing.

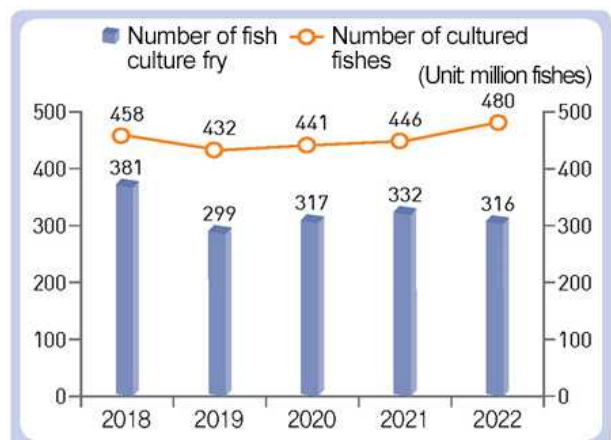
- In the meantime, the number of fish culture households (including establishments) recorded a year-on-year decrease owing to the aging of household heads and mergers of small establishments. The number of fish culture fry recorded a year-on-year decrease owing to lack of space.

- **(Number of workers)** The number of fish culture workers was 5,049 persons in 2022, which rose by 189 persons (3.9%) from 2021.
- **(Production)** The production of fish culture stood at 91 thousand tons in 2022, which grew by 2 thousand tons (13%) from 2021.
- **(Production value)** The production value of fish culture recorded 1.2798 trillion won in 2022, which grew by 74.9 billion won (6.2%) from 2021.
- **(Number of cultured fishes)** The number of cultured fishes was 480 million in 2022, which rose by 34 million (7.7%) from 2021.
- **(Amount of feed)** The total amount of feed recorded 550 thousand tons in 2022, which grew by 2 thousand tons (0.4%) from 2021.
- **(Number of fish culture households)** The number of fish culture households (including establishments) marked 1,463 households in 2022, which declined by 75 households (4.9%) from 2021.
- **(Number of fish culture fry)** The number of fish culture fry 316 million in 2022, which fell by 17 million (5.0%) from 2021.

< Change in production and production value >



< Change in fish culture fry and cultured fishes >



1. Fish culture households (including establishments)

The number of fish culture households (including establishments) was 1,463 households in 2022, which dropped by 75 households (4.9%) from 1,538 households in 2021.

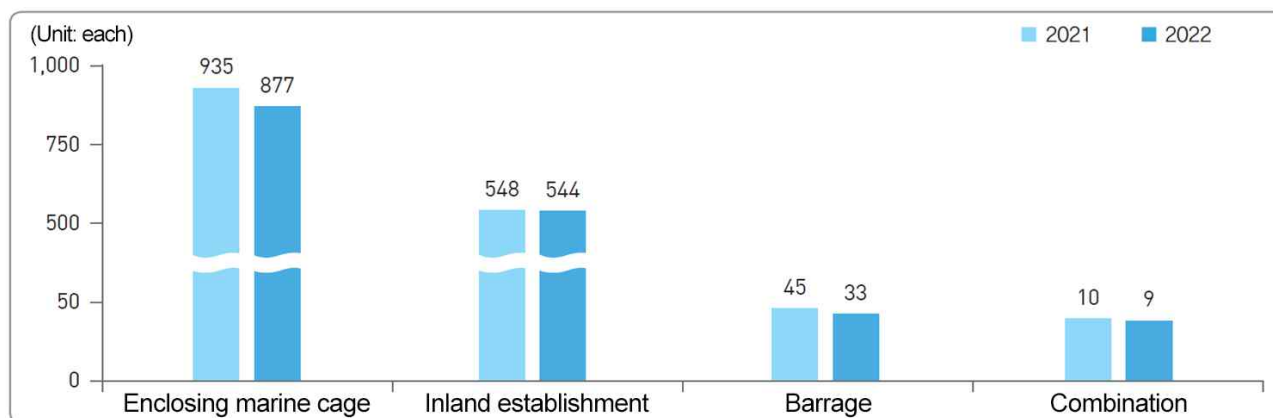
- The number of fish culture households (including establishments) declined by 75 households (-4.9%) from 1,538 households in 2021 to 1,463 households in 2022.
- The number of fish culture households (including establishments) of 'Enclosing marine cages' declined by 58 households (-6.2%) from 935 households in 2021 to 877 households in 2022.
- The number of fish culture households (including establishments) of 'Inland establishments' dropped by 4 households (-0.7%) from 548 households in 2021 to 544 households in 2022.
- The number of fish culture households (including establishments) of 'Barrages' fell by 12 households (-26.7%) from 45 households in 2021 to 33 households in 2022.

< Fish culture households by culture type >

(Unit: each, %)

Classification	2021		2022 ¹⁾		Year-on-year	
	(A)	Share	(B)	Share	Change (C=B-A)	Percent change (C/A)
Total	1,538	100.0	1,463	100.0	-75	-4.9
Enclosing marine cage	935	60.8	877	59.9	-58	-6.2
Inland establishment	548	35.6	544	37.2	-4	-0.7
Barrage	45	2.9	33	2.3	-12	-26.7
Combination ¹⁾	10	0.7	9	0.6	-1	-10.0

1) Combination: Enclosing marine cage + Inland establishment / Enclosing marine cage + Barrage / Inland establishment + Barrage / Enclosing marine cage + Inland establishment + Barrage



2. Fish culture workers

The number of fish culture workers was 5,049 persons in 2022, which grew by 189 persons (3.9%) from 4,860 persons in 2021.

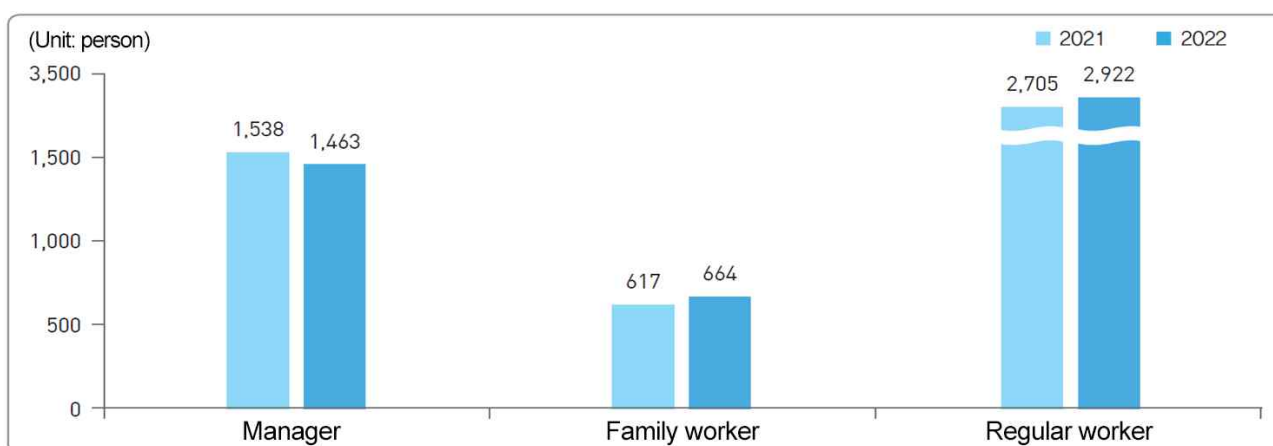
- The total number of fish culture workers grew by 189 persons (3.9%) from 4,860 persons in 2021 to 5,049 persons in 2022.
- The number of managers fell by 75 persons (-4.9%) from 1,538 persons in 2021 to 1,463 persons in 2022.

- The number of family workers grew by 47 persons (7.6%) from 617 persons in 2021 to 664 persons in 2022.
- The number of regular workers grew by 217 persons (8.0%) from 2,705 persons in 2021 to 2,922 persons in 2022.

< Number of workers by status >

(Unit: person, %)

Classification	2021		2022 ^{p)}		Year-on-year	
	(A)	Share	(B)	Share	Change (C=B-A)	Percent change (C/A)
Total	4,860	100.0	5,049	100.0	189	3.9
Manager	1,538	31.6	1,463	29.0	-75	-4.9
Family worker	617	12.7	664	13.2	47	7.6
Regular worker	2,705	55.7	2,922	57.9	217	8.0



3. Production

(1) Production

The production of fish culture marked 91 thousand tons in 2022, which grew by 2 thousand tons (1.3%) from 89 thousand tons in 2021.

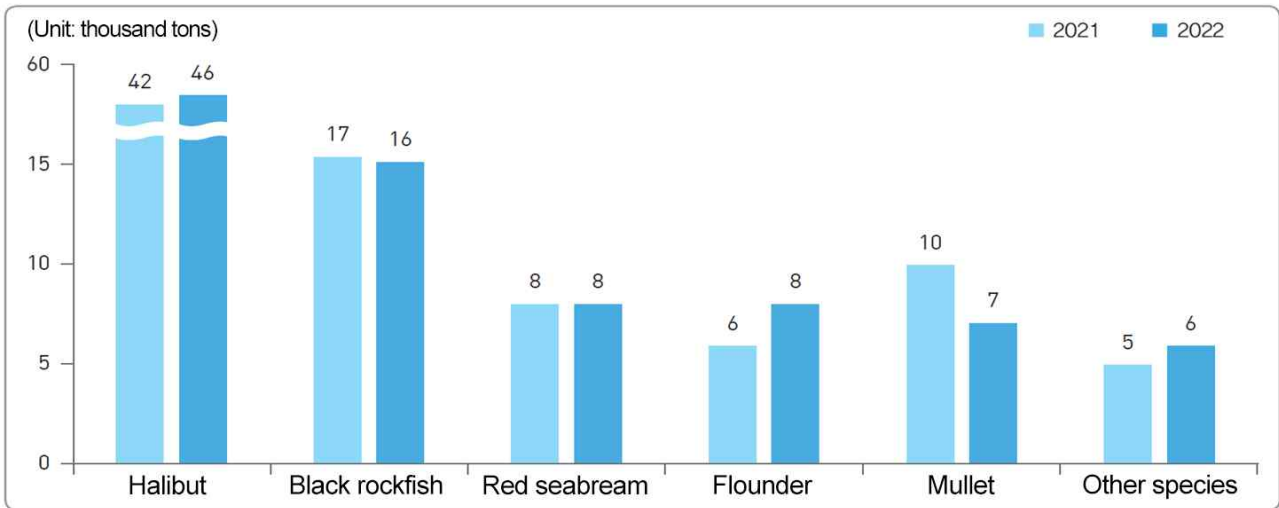
- The production of fish culture grew by 2 thousand tons (1.3%) from 89 thousand tons in 2021 to 91 thousand tons in 2022.

< Production by species >

(Unit: thousand tons, %)

Classification	2021		2022 ^{p)}		Year-on-year	
	(A)	Share	(B)	Share	Change (C=B-A)	Percent change (C/A)
Total	89	100.0	91	100.0	1	1.3
Halibut	42	46.7	46	50.5	4	9.6
Black rockfish	17	19.5	16	17.6	-1	-7.4
Red seabream	8	9.3	8	8.8	0	-2.8
Flounder	6	6.9	8	8.8	2	24.3
Mullet	10	11.6	7	7.7	-3	-30.1
Other species ¹⁾	5	5.9	6	6.6	0	4.2

1) Other species: Rock bream, common sea bass, filefish, other sea bream, chub mackerel, etc.



(2) Production value

The production value of fish culture recorded 1.2798 trillion won in 2022, which rose by 74.9 billion won (6.2%) from 1.2048 trillion won in 2021.

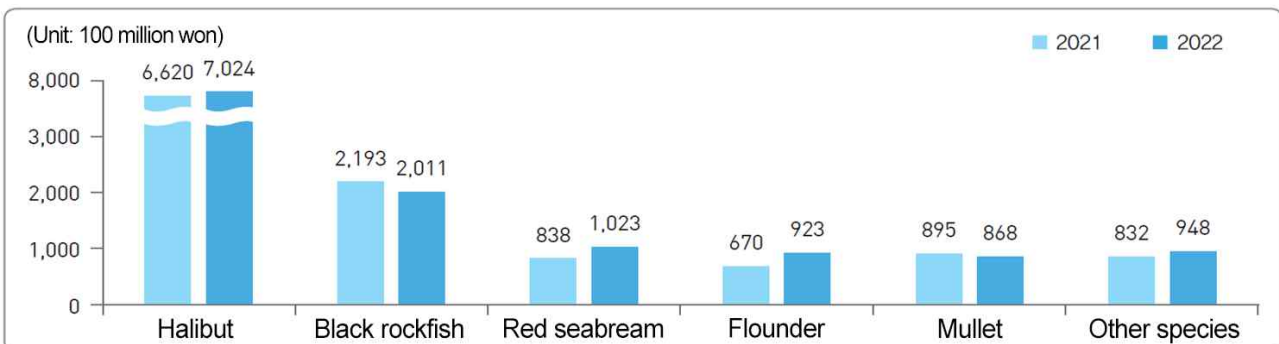
- The production value of fish culture rose by 74.9 billion won (6.2%) from 1.2048 trillion in 2021 to 1.2798 trillion won in 2022.

< Production value by species >

(Unit: 100 million won, %)

Classification	2021		2022 ^{P)}		Year-on-year	
	(A)	Share	(B)	Share	Change (C=B-A)	Percent change (C/A)
Total	12,048	100.0	12,798	100.0	749	6.2
Halibut	6,620	54.9	7,024	54.9	405	6.1
Black rockfish	2,193	18.2	2,011	15.7	-182	-8.3
Red seabream	838	7.0	1,023	8.0	185	22.1
Flounder	670	5.6	923	7.2	253	37.8
Mullet	895	7.4	868	6.8	-27	-3.0
Other species ¹⁾	832	6.9	948	7.4	116	13.9

1) Other species: Rock bream, common sea bass, filefish, other sea bream, chub mackerel, etc.



4. Fish culture area

The fish culture area amounted to 3.51 million m² in 2022, which grew by 60 thousand m² (1.8%) from 3.45 million m² in 2021.

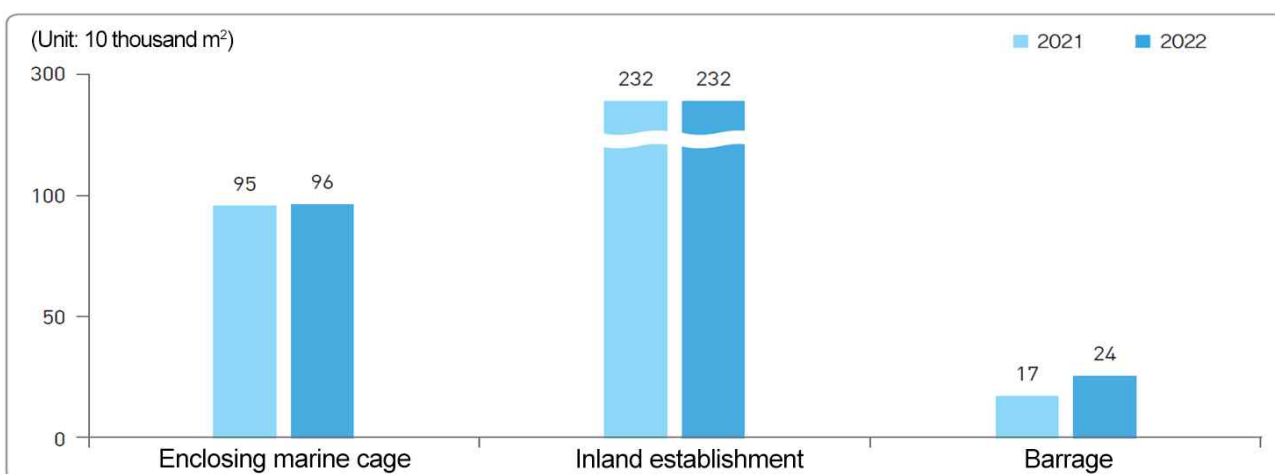
- The fish culture area amounted to 3.51 million m² in 2022, which grew by 60 thousand m² (1.8%) from 3.45 million m² in 2021.

- The fish culture area of 'Enclosing marine cages' amounted to 960 thousand m² in 2022, which grew by 3 thousand m² (0.3%) from 950 thousand m² in 2021.
- The fish culture area of 'Inland establishments' amounted to 2.32 million m² in 2022, which fell by 10 thousand m² (-0.3%) from 2.32 million m² in 2021.
- The fish culture area of 'Barrages' amounted to 240 thousand m² in 2022, which grew by 70 thousand m² (39.1%) from 170 thousand m² in 2021.

< Fish culture area by culture type >

(Unit: 10 thousand m², %)

Classification	2021		2022 ^{p)}		Year-on-year	
	(A)	Share	(B)	Share	Change (C=B-A)	Percent change (C/A)
Total	345	100.0	351	100.0	6	1.8
Enclosing marine cage	95	27.6	96	27.1	0	0.3
Inland establishment	232	67.4	232	65.6	-1	-0.3
Barrage	17	5.0	24	7.3	7	39.1



5. Number of fish culture fry

The number of fish culture fry stood at 316 million in 2022, which dropped by 17 million (5.0%) from 332 million in 2021.

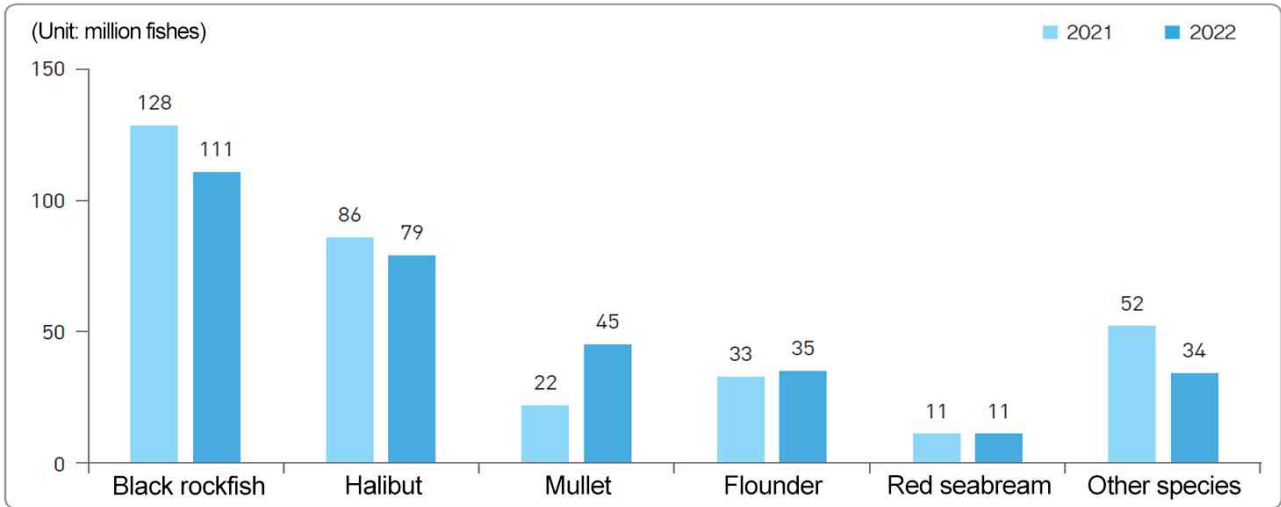
- The number of fish culture fry fell by 17 million (-5.0%) from 332 million in 2021 to 316 million in 2022.

< Number of fish culture fry by species >

(Unit: million fishes, %)

Classification	2021		2022 ^{p)}		Year-on-year	
	(A)	Share	(B)	Share	Change (C=B-A)	Percent change (C/A)
Total	332	100.0	316	100.0	-17	-5.0
Black rockfish	128	38.6	111	35.1	-18	-13.7
Halibut	86	25.9	79	25.0	-7	-8.0
Mullet	22	6.6	45	14.4	23	103.5
Flounder	33	9.9	35	11.1	2	6.4
Red seabream	11	3.3	11	3.6	0	4.5
Other species ¹⁾	52	15.7	34	10.9	-18	-34.1

1) Other species: Rock bream, common sea bass, filefish, other sea bream, chub mackerel, etc.



6. Number of cultured fishes

The number of cultured fishes was 480 million in 2022, which grew by 34 million (7.7%) from 446 million in 2021.

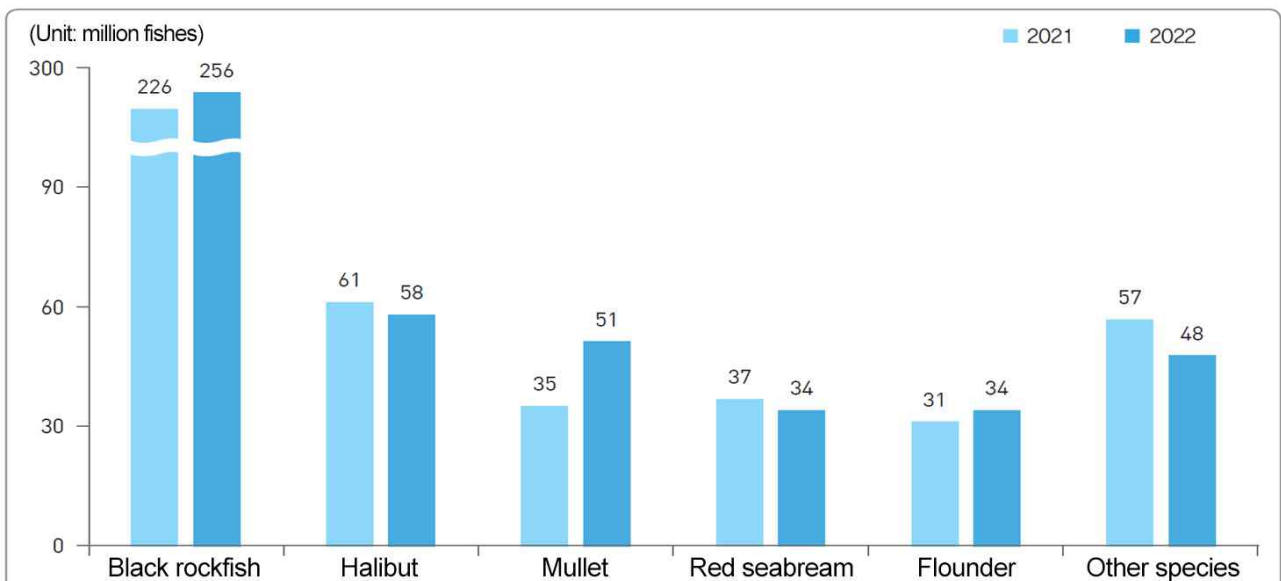
- The number of cultured fish grew by 34 million (7.7%) from 446 million in 2020 to 480 million in 2022.

< Number of cultured fishes by species >

(Unit: million fishes, %)

Classification	2021		2022 ^{p)}		Year-on-year	
	(A)	Share	(B)	Share	Change (C=B-A)	Percent change (C/A)
Total	446	100.0	480	100.0	34	7.7
Black rockfish	226	50.7	256	53.3	30	13.4
Halibut	61	13.6	58	12.1	-3	-4.3
Mullet	35	7.8	51	10.5	16	45.5
Red seabream	37	8.3	34	7.1	-3	-7.7
Flounder	31	6.9	34	7.0	3	8.3
Other species ¹⁾	57	12.7	48	10.0	-9	-15.7

1) Other species: Rock bream, common sea bass, filefish, other sea bream, chub mackerel, etc.



7. Amount of feed

The total amount of feed recorded 550 thousand tons in 2022, which grew by 2 thousand tons (0.4%) from 548 thousand tons in 2021.

- The total amount of feed rose by 2 thousand tons (0.4%) from 548 thousand tons in 2021 to 550 thousand tons in 2022.
- The amount of raw fish pellet declined by 3 thousand tons (-0.7%) from 459 thousand tons in 2021 to 456 thousand tons in 2022.
- The amount of formulated dry pellet rose by 5 thousand tons (6.0%) from 88 thousand tons in 2021 to 94 thousand tons in 2022.

< Amount of feed by species >

(Unit: thousand tons, %)

Classification		2021 (A)	2022 ^{p)} (B)	Year-on-year	
				Change (C=B-A)	Percent change (C/A)
Total		548	550	2	0.4
By type	Raw fish pellet	459	456	-3	-0.7
	(Share)	(83.9)	(82.9)		
	Formulated dry pellet	88	94	5	6.0
	(Share)	(16.1)	(17.1)		
By species	Halibut	262	264	1	0.4
	Black rockfish	127	132	4	3.5
	Red seabream	64	62	-2	-3.5
	Mullet	27	28	1	2.5
	Flounder	14	17	3	25.1
	Other species ¹⁾	53	48	-5	-10.2

1) Other species: Rock bream, common sea bass, filefish, other sea bream, chub mackerel, etc.

