

ADVANTAGES

- Use of pellet feed improves survival as fish becomes domesticated and mortalities due to cannibalism is minimized.
- Disease transmission due to spoiled trash fish is remarkably reduced.
- Pollution of culture environment due to trash fish is also minimized.

COMPUTATION

The following can be used in determining the feed requirement of the fish and the Feed Conversion Ratio (FCR):

$$\text{Daily Feed Rate (DFR)} = \text{Total Stock} \times \text{Body Weight} \times \text{Feed Rate} \times 5 \text{ Survival}$$

Example: Total Stock = 1,000 pcs
 Body Weight = 100g
 Feed Rate = 3% (please refer to feeding guide)
 Percentage of Survival = 100%

$$\text{DFR} = 1,000 \text{ pcs} \times 100\text{g} \times 3\% \times 100\% \\ = 3,000\text{g or } 3.0\text{kg}$$

Feed Conversion Ratio (FCR) determines the efficiency of the feed and feeding management being implemented in the system. This could be a determining factor in the viability of the operation.

$$\text{Example: } \text{FCR} = \frac{\text{Total Feed Consumed (TFC)}}{\text{Biomass}}$$

$$\text{TFC} = 150\text{kg. (Accumulated feeds from start of feeding)}$$

$$\text{Biomass} = \text{Stock} \times \text{Body Weight} \\ = 1,000 \times 100\text{g} \\ \text{FCR} = 150\text{kg}/100\text{kg} \\ = 1.5$$

IDEAL PARAMETERS

Ph	- 1.5 - 8.3
Dissolved Oxygen	- 4-8 ppm
Salinity	- 20-32ppt
Temperature	- 26 - 32C
Ammonia	- >0.2 ppm



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MARINE FISH FEEDS



For:

- Pompano
- Seabass
- Snapper
- Groupers

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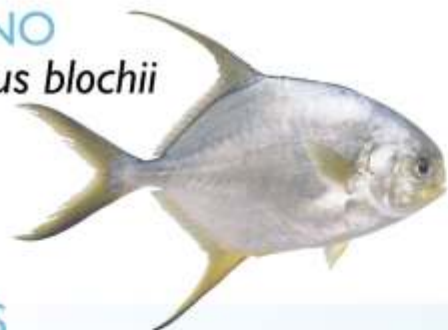
PRODUCT FEATURE

Tateh Marine Fish Feeds are extruded slow-sinking pellets designed for cage and pond culture. It is a high protein-high fat diet made of highly digestible ingredients enriched with the essential vitamins and minerals to enhance immune response to promote healthier and faster growing fish with higher survivability. Its fat content provides the essential fatty acids necessary for growth and development.



POMPANO

Trachinotus blochii



Pompano is a fast-growing warm water fish. It has an active schooling behavior with high survival in culture environment. It readily accepts formulated feeds. Species being cultured in the Philippines is *Trachinotus blochii* also known as Yellowfin Pompano. It has a compressed body form with pectoral and anal fin. It is presently cultured in areas of Davao, Mauban, Iloilo, Bataan, General Santos, Bacolod City & Cebu.

Feed Type	Pellet Size		Ave. Body Wt. (g)	Feed Rate (% body weight)	Feeding Frequency
	Diameter (mm)	Length (mm)			
Pompano Feed No. 1	Mash	Mash	1.5 - 20	10 - 8	4x
Pompano Feed No. 2	Crumble	Crumble	21 - 30	8 - 6	3x
Pompano Feed No. 3	2.6 - 3.0	2.2 - 2.7	31 - 100	6 - 4	3x
Pompano Feed No. 4	4.0 - 4.5	3.1 - 3.6	100 - 300	4 - 3	3x
Pompano Feed No. 5	5.0 - 5.5	4.0 - 4.5	300 - up	3 - 2	3x

SEABASS

Lates calcalifer



Seabass is a high-value, fast growing fish that can be grown in fresh and marine waters. It is a highly carnivorous species having the tendency to cannibalize each other especially on its early stage of culture. It can be raised in ponds and cages. It is a palatable fish that is widely served in finest restaurants and hotels in the world.

Feed Type	Pellet Size		Ave. Body Wt. (g)	Feed Rate (% body weight)	Feeding Frequency
	Diameter (mm)	Length (mm)			
Seabass Feed No. 1	Mash	Mash	1.5 - 20	10 - 8	5x
Seabass Feed No. 2	Crumble	Crumble	21 - 50	8 - 7	5x
Seabass Feed No. 3	2.6 - 3.0	2.2 - 2.7	51 - 100	7 - 6	2x
Seabass Feed No. 4	4.0 - 4.5	3.1 - 3.6	101 - 150	6 - 5	2x
Seabass Feed No. 5	5.0 - 5.5	4.0 - 4.5	151 - 250	5 - 4	2x
Seabass Feed No. 6	7.3 - 7.8	5.0 - 5.5	251 - 350	4 - 3	2x
Seabass Feed No. 7	10.1 - 10.5	6.0 - 6.5	351 - up	3 - 1	2x

SNAPPER

Lutjanus argentimaculatus



Red Snapper locally known as Mangagat is a local high-value favorite among the people in the Visayas region. It is widely farmed in Aklan, Roxas in Capiz; Iloilo, Guimaras; Negros; Bohol and Cebu. In terms of feed acceptance, Red Snapper readily accepts formulated feeds in any of its life stage. This means trash fish and formulated feed substitution is not a problem for Red Snapper. Snapper will eat changes in diet even in a short period of time. It can be farmed in cages, pens and ponds.

Feed Type	Pellet Size		Ave. Body Wt. (g)	Feed Rate (% body weight)	Feeding Frequency
	Diameter (mm)	Length (mm)			
Snapper Feed No. 1	Mash	Mash	1.5 - 20	10 - 8	5x
Snapper Feed No. 2	Crumble	Crumble	21 - 50	8 - 7	5x
Snapper Feed No. 3	2.6 - 3.0	2.2 - 2.7	51 - 100	7 - 6	2x
Snapper Feed No. 4	4.0 - 4.5	3.1 - 3.6	101 - 150	6 - 5	2x
Snapper Feed No. 5	5.0 - 5.5	4.0 - 4.5	151 - 250	5 - 4	2x
Snapper Feed No. 6	7.3 - 7.8	5.0 - 5.5	251 - 350	4 - 3	2x
Snapper Feed No. 7	10.1 - 10.5	6.0 - 6.5	351 - up	3 - 1	2x

GROUPERS

Epinephelus coioides

Plectropomus leopardus

Chromileptis altivelis



Grouper (*E. coioides*) or *Lapu-lapu* is one of the most popular high-value fish farmed in the Philippines. High ex-farm price and growing international market demand are reasons enough to culture the grouper. Because Groupers are used to eating other fish, they have a tendency to cannibalize each other. Tateh Marine Fish Feed is a complete diet, therefore the fish are getting the necessary nutrients that enable them to grow faster and survive better during culture.

Feed Type	Pellet Size		Ave. Body Wt. (g)	Feed Rate (% body weight)	Feeding Frequency
	Diameter (mm)	Length (mm)			
Grouper Feed No. 1	Mash	Mash	Tiny - 2	20 - 12	6x
Grouper Feed No. 2	Crumble	Crumble	2 - 20	12 - 7	6x
Grouper Feed No. 3	2.6 - 3.0	2.2 - 2.7	20 - 35	7 - 6	5x
Grouper Feed No. 4	4.0 - 4.5	3.1 - 3.6	35 - 50	6 - 5	5x
Grouper Feed No. 5	5.0 - 5.5	4.0 - 4.5	50 - 150	5 - 4.5	2x
Grouper Feed No. 6	7.3 - 7.8	5.0 - 5.5	150 - 350	4.5 - 3.5	2x
Grouper Feed No. 7	10.1 - 10.5	6.0 - 6.5	350 - up	3.5 - 3.0	2x