

## BARRAMUNDI FISH FEED

Barramundi are mostly fed with fish protein waste and fish oil, but it also needs some plant-based food as a supplement. Nowadays, researchers are investigating to replace these two nutrients without spoiling the growth and weight of this fish. The market weight of this fish is about 300 to 500 grams, while by increasing the duration of breeding and controlling factors such as water temperature, the growth rate of fish can be increased and sold in different weights required by the market.

CHEMICAL ANALYSIS OF EXTRUDED SEA BARRAMUNDI

FEED KIND		FEED SIZE (mm)	FISH SIZE (g)	CRUDE PROTEIN%	CRUDE FAT %	CRUDE FIBER %	ASH %	MOISTURE %
STARTER	0.5	0.3 - 0.5	< 0.5	53 - 55	8 - 11	1 - 2	9 - 12	8 - 10
	0.8	0.6 - 0.9	0.5 - 0.8					
	1.2	1 - 1.5	0.8 - 1					
PRE GROWER	2	1.8 - 2.2	1 - 8	48 - 50	10 - 12	2 - 3	8 - 11	8 - 10
	3	2.5 - 3.5	8 - 50					
GROWER	4	3.5 - 4.5	50 - 150	42 - 45	15 - 18	2 - 4	8 - 11	8 - 10
	6	5.5 - 6.5	150 - 400					
	8	7.5 - 8.5	400 - 800					
	9	9 - 10	800 <					

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STEP 1

STEP 2

STEP 3

STEP 4

STEP 5

FEEDING ADVICE FOR OPTIMAL GROWTH ( EXPRESSED AS % BIOMASS/DAY)									
FISH SIZE (g)		0.2 - 0.5	0.5 - 2	2 - 8	8 - 15	15 - 50	50 - 250	250 - 700	700<
FEED FREQUENCY (pcr day)		4	4	4	3	3	3	3	3
TEMPERATURE (C°)	< 12	According to fish appetite							
	12	1.28	1.05	1	0.88	0.52	0.34	0.22	0.16
	14	1.6	1.3	1.25	1.1	0.65	0.42	0.26	0.20
	16	2.8	2	1.65	1.5	0.87	0.62	0.46	0.4
	18	3.8	3	2.35	1.9	1.3	0.93	0.59	0.5
	20	4.8	3.6	2.85	2.45	1.85	1.3	0.7	0.6
	22	5.8	4.9	4	2.7	2.2	1.5	0.8	0.7
	24	6.1	5.4	4.95	3.15	2.6	1.65	0.98	0.9
	26	5.9	5.2	4.5	3	2.95	1.9	1.1	0.9
	28	5.7	4.2	3.4	2.7	2.4	1.5	1	0.7
28<		According to fish appetite and O <sub>2</sub> level							
Feeding ration are indicative can may vary according to the specific condition of each farm									



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