



Growel Shrimp Feed - Highlights

- Ultra modern plant with a capacity of 3,30,000 MT per year.
 - Shrimp Feed :1,25,000 MT
 - Fish Feed : 2,05,000 MT
- **Export to Bangladesh, Sri Lanka, Nigeria and Malaysia.**
- Mini R&D plant to test new formulations and on going improvement program.
- In-house R&D facilities (ponds and 120 floating cages) to evaluate the performance of feeds.
- Feed additives imported from EUROPE incorporated to improve disease resistance.





Feed Sales (MT)



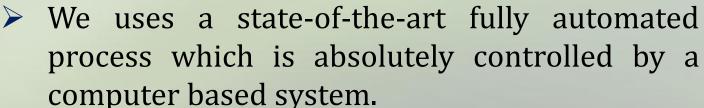
Year	2014	2015
Shrimp Feed	45600	60530
Fish Feed	105800	125700
Total	151400	186230













Growel Feeds produces pelleted aqua feeds, extruded sinking feeds, extruded floating and slow sinking feeds.









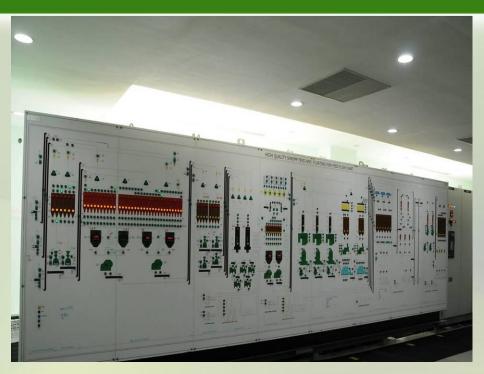
Growel uses a state-of-the-art fully automated process that is completely controlled by a computer based system





Pelletizers

Raw materials mixing chamber





Computer based controlling system

Nutrition for Vannamei









Feed Type & Size

	Feed	T		Size - mm		
	Number	Type	Dia.	Length		
	1	Crumble		< 0.5		
	2	Crumble		0.5 - 1		
	3C	Crumble		1.0 - 1.5		
gr.wel MARIGOLD NUTERION FOR ANNUTA	3S1/S2	Pellet	1.4	1.5-3.0		
	3P	Pellet	1.6	3 - 5		
	4S	Pellet	1.8	3 - 5		
MARI	4	Pellet	2	4 - 6		





Feed Composition

	Feed No.	Crude Protein Min.	Crude Fat Min.	Crude Fiber Max.	Moisture Max.	ABW (gm)	Feeding/ day	gröwel Nutri Nutriion Fox
	1	36	5	2	11	-	3-4 times	5
	2	36	5	2	11	-	3-4 times	
	3C	36	5	2	11	Up to 3 g	4-5 times	
)	3S1/S2	36	5	2	11	2.5 - 6.0	4-5 times	
	3P	36	5	3	11	6.0 -12.0	4-5 times	
	4S	36	5	3	11	12.0 – 20.0	4-5 times	
	4	34	4.5	3.5	11	>20.0	4-5 times	

MARIGOLD



Nutrition for Monodon







Feed Type & Size

Feed	T	Size - mm			
Number	Type	Dia.	Length		
1	Crumble		< 0.5		
2	Crumble		0.5 - 1		
3 C	Crumble		1.0 - 1.5		
3P	Pellet	1.6	3 - 5		
4S	Pellet	1.8	3 - 5		
4	Pellet	2	4 - 6		
5	Pellet	2.4	4 - 6		







Feed Composition

	Feed No.		Crude Fat Min.	Crude Fiber Max.	Moistur e Max.	ABW(gm)	Feeding/ day
	1	41	5	2	11		3-4 times
	2	41	5	2	11		3-4 times
	3C	41	5	2	11	Up to 40g	4-5 times
-	3P	40	5	2	11	4.0 - 10.0	4-5 times
	4 S	40	5	3	11	10.0 - 16.0	4-5 times
	4	40	5	3	11	16.0 – 25.0	4-5 times
	5	38	4.5	3.5	11	> 25	4-5 times



Performance of Growel Shrimp feed

- Premium quality raw materials.
- Special feed additives for Shrimp Immunity and Better Survival.
- Good water stability and palatability.







Nutrition for Fish









Nutrition for Marine Fish - Nutrila



Feed Number	Туре	Size (mm)	Protein%	Fat
1	Slow Sinking	0.8	50	10
2	Floating	1.2	45	10
3	Floating	1.8	45	10
4	Floating	3.0	40	10
5	Slow sinking	6	40	10
6	Slow Sinking	10	40	10
7	Slow Sinking	14	40	10

- High quality extruded feed for:
 - Seabass; Lates calcarifer
 - Cobia; Rachycentron canadum
 - Silver Pompano; Trachinotus blochii
 - Rainbow Trout; Oncorhynchus mykiss

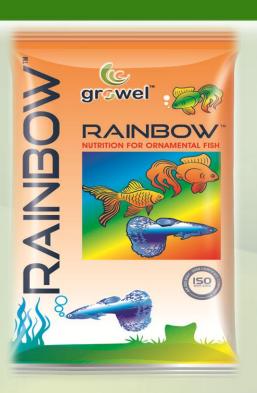
Nutrition for Fresh Water Fish - Growfin



Feed Number	Range	Туре	Size (mm)	Protein%	Fat
1	Pre-	Floating	0.6	40	6
2	Starter	Floating	0.8	38	6
3	Ctanton	Floating	1.2	32	5
4	Starter	Floating	1.8	32	5
5	Сиотион	Floating	2.5	28	4
6	Grower	Floating	4.0	28	4

- High quality extruded feed for:
 - Catla; Catla catla
 - Rohu; Labeo rohita
 - Climbing perch; *Anabus testudineus*
 - Pangasius; Pangasius sp

Nutrition for Ornamental Fish - Rainbow



Feed Number	Туре	Size (mm)	Protein%	Fat
1	Floating	0.8	26	4
2	Floating	1.0	25	3
3	Floating	1.6	30	4

Floating feed for all ornamental fish species.

Research and Development @ Growel Innovation Centre



Our Research and Development Wing does work continuously to bring out innovations.



We have in house wet lab facility (Recirculatory Aquaculture system-RAS) and 120 net cages and ponds for conducting in-vivo studies.



Onsite and offsite trials to evaluate the performance of the feed.

A glance of our R&D activities



A glance of our R&D activities









Growel Aqua Labs



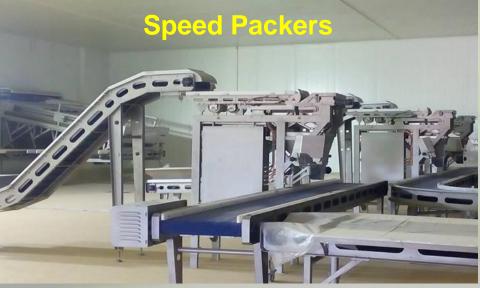
Growel Processors



Growel Processors









Growel Processors

- GROWEL Processing facility is being implemented and maintained as per European Union, USFDA, BRC (Global Food safety Standard) issue 7 and FSSC 22000 quality standards.
- Plant Capacity
 - Block Freezing Capacity: 15 MT /day(50 min Freezing time)
 - IQF Spiral (Marel): 40 MT/day
 - Cold storage capacity: 2400 MT.
 - Water Storage: 4,50,000 Lts With RO treatment.
 - Chill Rooms: 85 MT capacity storage.
 - Tube Ice Plant: 80MT / day (for farm harvesting purpose)
- Antibiotic & Microbiological Tests are conducting as per US FDA & EU protocols.

Growel Team











VANNAMEI SHRIMP FEEDS