

## Fantai Series Hatchery Larval Feed

Fantai Series are the latest products of Nice Garden. They have been developed to meet the massive demand in aquaculture and they represent our twenty years of experience in fish and shrimp nutrition. Nice Garden has collaborated for years with two leading brands, namely, DSM (formerly Roche, the world's number one manufacturer of vitamins and carotenoids) and Zinpro (world leading name in organic trace minerals). These renowned companies are involved in the production of what are known as the essences of feed nutrition. Nice Garden is backed up by a highly professional team of scientists. Through years of researches in nutrition and formulation, and with our commitment in quality and innovation, three specialty products are now available from us for growing larvae in hatcheries:-

1. Fantai shrimp flake larval feed
2. Fantai Gromate-Fish larval feed & Gromate-Shrimp larval feed
3. Fantai Supertemia larval feed

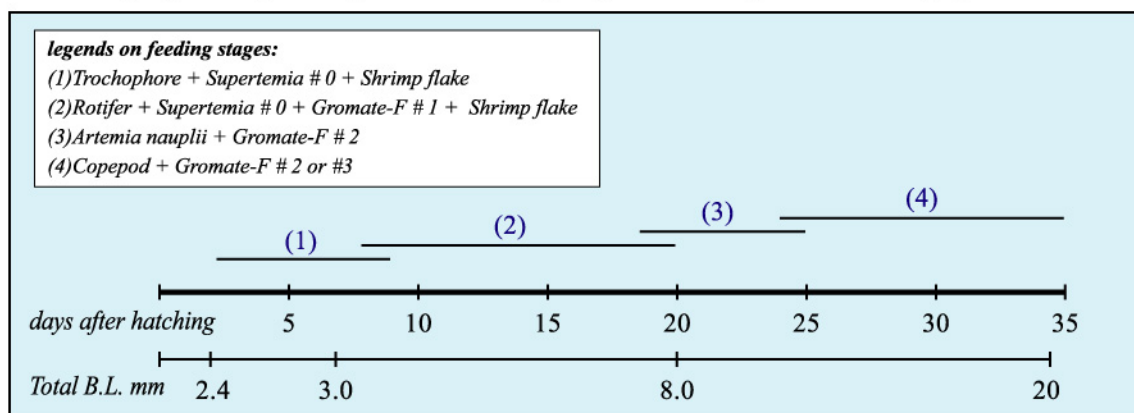
For convenience, please refer to the following Fantai Series' feeding table and chart for usage and application.

### Feeding table for shrimp larvae (gm/meal):

Seed Phase	Micro algae (x10 <sup>3</sup> cells/ml)	Shrimp flake gm(4~6 times/day)	Supertemia gm(4~6 times/day)	Gromate-S gm(4~6 times/day)
Z1~Z3	150	4~6 (200mesh)	4~6 (No. 0)	
M1~M3	120	8 (200mesh)	4 (No. 1)	4 (No. 1)
PL1~PL3		8 (200mesh)		8~10 (No. 1)
PL4~PL10		10 (150mesh)		12 (No. 2)
PL11~PL20		10 (150mesh)		14~32 (No. 2)

Note: all recommended feeding quantities in gram per meal are based on one million larvae.

### An example feeding chart for an indoor grouper hatchery and nursery system:



Note: In accordance with feeding stages and on basis of 10,000~15,000 newly hatched larvae per metric ton of tank water, the quantities suggested per meal are: Shrimp flake 0.3~0.4g, Supertemia # 0, 0.15g, Gromate-F # 1, 0.15g, Gromate-F # 2, 0.3g, Gromate-F # 3, 0.3g.



**Fantai**

NICE Garden

## *Fantai shrimp flake larval feed*



### **Features and Benefits**

*Fantai shrimp flake is made from fermentative ingredients with highly unsaturated fatty acids and lecithin as additives. Once in water the flakes will quickly release attractants and stimulants which will lure the larvae to congregate and feast. This product provides the larvae an easily digestible food. It is formulated for better resistance and survival with a high bio-availability, and it is meticulously manufactured to ensure balances in nutrition. The flake is dissoluble and it helps develop a camouflage water color which is effective in reducing loss due to cannibalism. This feed is suitable for larvae throughout their hatchery and nursery stage.*

### ● **Ingredients**

*Fish meal, squid liver meal, fish soluble, brewer yeast, lecithin, vitamin, mineral and astaxanthin.*

### ● **Composition**

*Crude protein >50%, crude lipid >8%, crude fiber <3%, ash<5%, moisture<7%*

### ● **Product form and package**

*Brown crunchy flake powder packed in 1 kg aluminum foil and 10 bags in a carton or 10 kg in a bucket.*

### ● **Instruction for use**

*Put flake in filtered net bag and wash before feeding. Feed 3~6 times daily with an amount that the larval shrimp or fish can finish within 30 minutes. Refer to feeding chart provided.*

### ● **Storage**

*This product should be stored in a cool and dry place.*





## *Fantai Supertemia larval feed*



**Astaxanthin  
added!**



### **Features and Benefits**

*Supertemia is an artificial feed developed from the characteristics of living organisms used as live feed for fish and shrimp larvae. It has a specific weight close to that of seawater, and is able to maintain stable and even suspension in water as live planktons. This feature gives the larvae a better chance of random encounter with the feed particles, thus effectively increasing their feeding rate. There is a protective coating laid around each particle. This coating keeps the particle intact for a longer time in water. The feed fouls the water less, therefore, and makes water quality management much easier. Supertemia is a nutritious feed of superb quality. It is made from fresh ingredients with vitamins, minerals, and highly unsaturated fatty acids. It provides astaxanthin, the essential nutrition needed for growth and battling stresses. Supertemia comes in different particle diameters to match the sizes of the mouth apparatus of larvae in different stages of development. Supertemia is a wise choice as a feed for cultivating your fish and shrimp larvae. It certainly will bring you higher productivity and profit.*

### ● **Ingredients**

*Super prime fish meal, cod liver meal, krill, spirulina, marine protein concentrate, yeast, astaxanthin, enzymes, EPA/DHA, vitamin and organic trace mineral.*

### ● **Composition**

*Crude protein >50%, crude lipid >8%, crude fiber <4%, ash <13%, moisture <8%.*

### ● **Product form and package**

*Orange to brown particles, packed in can with 500 gm in net weight. 12 cans in a carton.*

*Particle size : No.0: 30~90  $\mu$*

*No.1: 90~150  $\mu$*

*No.2: 150~250  $\mu$*

*No.3: >250  $\mu$*

### ● **Instruction for use**

*Feed 3~6 times daily with an amount that the shrimp or fish larvae can finish within 30 minutes.*

### ● **Storage**

*This product should be stored in a cool and dry place.*

## Fantai Gromate-S larval feed



### Features and Benefits

*Gromate-S is a micro-particle feed produced by a brand new processing technique. Traditionally, large particles are made first, then crushed and sieved for smaller particles. Traditional particle feed therefore lacks stability. It is noted for an uneven size problem and its specific weight uncontrollable. Technically, Gromate-S is processed in a three-dimensional space where ingredient molecules are picked up by a special adhesive. Every particle is individually made; its diameter even, quality stable and suspensibility superb. Additionally, this new technique employs a dry-and-wet processing method. This advantage makes it possible for us to solve various difficulties in the choices of ingredients. We are now using the best ingredient sources ever available. Gromate-S is meticulously formulated. In addition to basic amino acids and highly unsaturated fatty acids, it is specially enriched with vitamin C and Astaxanthin which are important to crustaceans as crucial elements for faster growth and better tolerance of stress.*

### ● Ingredients

*Super prime Chilean fish meal, krill, squid, cod liver, marine protein concentrate, yeast, spirulina, kelp, astaxanthin, vitamin, organic trace mineral, EPA and DHA, attractant.*

### ● Composition

*Crude protein >57%, crude fat >8%, crude fiber <4%, ash<13%, moisture <8%.*

### ● Product form and package

*Brown particles, packed in can with 500 gm in net weight. 12 cans in a carton.*

*Particle size: No.0: <250 mesh*

*No.1: 98% through 100 mesh*

*No.2: 98% through 60 mesh*

*No.3: 98% through 30 mesh*

### ● Instruction for use

*Feed 4~6 times daily with an amount that the larval shrimp can finish within 30 minutes is recommended.*

*Refer to feeding chart provided.*

### ● Storage

*This product should be stored in a cool and dry place.*



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Factory : 389, Sec. 2, Bentian Rd., Tainan Tech Ind Park, Tainan City, Taiwan.

※Particle size and other technical information may vary and subject to change without prior notice.

# FANTAI GROMATE-S

**Artemia feeding:** grams per million Larvae per day

Hatching efficiency approx 220,000 nauplii/g

black symbol: regular protocol red symbol : artemia replace protocol

**Algae:** Algae(*Chaetoceros* sp.) concentration is

maintained at approx.  $100 \times 10^3$  –  $150 \times 10^3$  cell/ml  
throughout the cycle.

Gromate-S: grams per million Larvae per day

*Penaeus vannamei* - **for one million Larvae**

Days of Culture	Stage	Artemia	Algae	Gromate-S #0 < 60 µm	Gromate-S #1 < 150µm	Gromate-S #2 < 250µm	Gromate-S #3 < 590µm	Artemia	Algae	Gromate-S #0 replace artemia	Gromate-S #1 replace artemia	Gromate-S #2 replace artemia	Gromate-S #3 replace artemia
1	N5												
2	Z1			40						40			
3	Z1/Z2			40						40			
4	Z2			40						40			
5	Z2/Z3			40						40			
6	Z3			60						60			
7	Z3/M1			60						60			
8	M1	50		60	20			0		80			
9	M2	70		60	20			50		80			
10	M3	100		60	20			100		80	20		
11	M3/PL1	120			80			120		80	20		
12	PL1	150			80			150			100		
13	PL2	180			80			150			120		
14	PL3	200			80			150			150		
15	PL4	250			60	20					120	30	
16	PL5	250			80	20					150	50	
17	PL6	250			80	40					150	50	
18	PL7	300			90	60					150	100	
19	PL8	300			120	60					150	150	
20	PL9	300			120	80					150	200	
21	PL10	300			150	100					100	300	
22	PL11					400					50	350	
23	PL12					400						400	
24	PL13					300	100					300	100
25	PL14					300	100					300	100
26	PL15					200	200					200	200
27	PL16					200	200					200	200
28	PL17					200	200					200	200
29	PL18					100	300					100	300
30	PL19					100	300					100	300
31	PL20					100	300					100	300
Total in g/mio PL		2820		460	1080	2680	1700	720		600	1430	3130	1700
						total feed	5920					total feed	6860