

Hai-Yu Enterprise Co., Ltd.

海育企業股份有限公司



全球蝦類養殖最權威品牌

Global Authority of Shrimp Larvae Hatching & Prawn Culturing



GLOBAL AUTHORITY OF SHRIMP LARVAE HATCHING & PRAWN CULTURING

Hai-Yu Enterprise Co., Ltd. is a professional manufactory of shrimp culturing products. **Hai-Yu** also is the first manufactory making shrimp larvae feed in Taiwan. Before that Taiwan didn't have success experience in shrimp culture, until **IY MIAO PAO** was developed by **Hai-Yu**, Taiwan shrimp farmers began to experience success in shrimp larvae hatching.



*From late-1970s the shrimp culturing prosperously grew very fast in Taiwan. Within 4 or 5 years Taiwan became "the kingdom of shrimp culturing in the world." Nowadays Taiwan's technology of shrimp culturing still keep the leadership in the world and **IY MIAO PAO** still is the best shrimp larvae feed in global shrimp feed market.*

*Over two decades, **Hai-Yu** only concentrates on shrimp culturing business, not only provide larvae feed, prawn feed, water treatment, but also launching to the topic of high performance of harvest. Right now the **Hai-Yu**'s total solution of shrimp culturing keeps in helping aquaculture farmers to increase the harvest rate all over the world.*

HATCHERY FEED SERIES

IY MIAO PAO BLACK GRANULE

**The best shrimp larvae feed
in Global Aquaculture market**



Item No: IPO11 / IPO12
Item Name: IY MIAO PAO BLACK GRANULE
Product Type: Pellet / Powder
Size : 1.5mm / 0.1mm
Package : 0.5KG/CAN, 6CAN/CTN

Crude Protein (%)	Crude Fat (%)	Crude Fiber (%)	Ash (%)	moisture (%)
Above 50.2%	Above 2.4%	Under 2.9%	Under 4.7%	Under 7%

Stage	Usage
Z1 Z2 Z3	Wash with 200 mesh
M1 M2 M3	Wash with 200 mesh
P1 - P12	Wash with 180 mesh
P13 - P18	Wash with 150 mesh

1. Enriched omega-3 (n-3) long chain polyunsaturated fatty acid.
2. Balance of all comparative nutrition more easier for digestion and absorption of shrimp larva.
3. It offers the best sheltering watercolor for larval environment.
4. Enriched above 10 kinds of nutrition that shrimp larva could not produce by itself, and special formula for larvae directly absorb.
5. Better direct absorption rate than any other larval feeds.
6. Special smell for attracting larval clustering and diets.
7. The best water stability larva feed even heavy load feeding.
8. Suitable to each larva stage from Z1 Z2 Z3 , M1 M2 M3 , P1 P2 - P15

HATCHERY FEED SERIES



IY MIAO PAO AA SHRIMP FLAKE

Item No: IPO13
 Item Name: IY MIAO PAO AA SHRIMP FLAKE
 Product Type: Flake
 Package : 2LB/CAN, 6CAN/CTN

Crude Protein (%)	Crude Fat (%)	Crude Fiber (%)	Ash (%)	moisture (%)
Above 53%	Above 10%	Under 2%	Under 4%	Under 7%

Stage	Usage
Z1 Z2 Z3	Wash with 200 mesh
M1 M2 M3	Wash with 200 mesh
P1 - P12	Wash with 180 mesh
P13 - P18	Wash with 150 mesh
P19 - P21	Wash with 120 mesh

1. Enriched omega-3 (n-3) long chain polyunsaturated fatty acid.
2. Balance of all comparative nutrition more easier for digestion and absorption of shrimp larva.
3. It offers the best sheltering watercolor for larval environment.
4. Enriched above 10 kinds of nutrition that shrimp larva could not produce by itself, and special formula for larvae directly absorb.
5. Better direct absorption rate than any other larval feeds.
6. Special smell for attracting larval clustering and diets.
7. The best water stability larva feed even heavy load feeding.
8. Suitable to each larva stage from Z1 Z2 Z3 , M1 M2 M3 , P1 P2 - P21.....

HATCHERY FEED SERIES



IY MIAO PAO Shrimp Flake

Item No: IPO23A
 Item Name: IY MIAO PAO Shrimp Flake
 Product Type: Flake
 Size : 0.5cm
 Package : 5KG/PAIL

Crude Protein (%)	Crude Fat (%)	Crude Fiber (%)	Ash (%)	moisture (%)
Above 50.2%	Above 2.4%	Under 2.9%	Under 4.7%	Under 7%

Stage	Usage
Z1 Z2 Z3	Wash with 200 mesh
M1 M2 M3	Wash with 200 mesh
P1 - P12	Wash with 180 mesh
P13 - P18	Wash with 150 mesh
P19 - P21	Wash with 120 mesh

1. Enriched omega-3 (n-3) long chain polyunsaturated fatty acid.
2. Balance of all comparative nutrition more easier for digestion and absorption of shrimp larva.
3. It offers the best sheltering watercolor for larval environment.
4. Enriched above 10 kinds of nutrition that shrimp larva could not produce by itself, and special formula for larvae directly absorb.
5. Better direct absorption rate than any other larval feeds.
6. Special smell for attracting larval clustering and diets.
7. The best water stability larva feed even heavy load feeding.
8. Suitable to each larva stage from Z1 Z2 Z3 , M1 M2 M3 , P1 P2 - P21

HATCHERY FEED SERIES

FONG PAO BRINE SHRIMP POWDER



Item No: FPO14B
 Item Name: FONG PAO BRINE SHRIMP POWDER
 Product Type: Powder
 Package : 10KG/PAIL

Crude Protein (%)	Crude Fat (%)	Crude Fiber (%)	Ash (%)	moisture (%)
Above 46%	Above 2.4%	Under 2.9%	Under 4.7%	Under 7%

Stage	Usage
Z1 Z2 Z3	Wash with 200 mesh
M1 M2 M3	Wash with 200 mesh
P1 - P12	Wash with 180 mesh
P13 - P18	Wash with 150 mesh
P19 - P25	Wash with 100 mesh

1. Enriched omega-3 (n-3) long chain polyunsaturated fatty acid.
2. Balance of all comparative nutrition more easier for digestion and absorption of shrimp larva.
3. It offers the best sheltering watercolor for larval environment.
4. Enriched above 9 kinds of nutrition that shrimp larva could not produce by itself, and special formula for larvae directly absorb.
5. Better direct absorption rate than any other larval feeds.
6. Special smell for attracting larval clustering and diets.
7. The best water stability larva feed even heavy load feeding.
8. Suitable to each larva stage from Z1 Z2 Z3 , M1 M2 M3 , P1 P2 - P25....

HATCHERY FEED SERIES



Advantages Shrimp Powder

The best shrimp hatchery pond nourishing feeds

Item No: ASP 10 ASP11
ASP12 ASP13
Item Name : Advantages Shrimp Powder
#0 #1 #2 #3
Shape : Powder
Package : 1KG/BAG · 10BAG/CTN

Crude Protein (%)	Crude Fat (%)	Crude Fiber (%)	Ash (%)	moisture (%)
Above 46%	Above 2.4%	Under 2.9%	Under 4.7%	Under 7%

- 1.The best hatchery pond nourishing and fertilizing treatment feed in shrimp hatchery arena.
- 2.Enriched omega-3 (n-3) long chain polyunsaturated fatty acid.
- 3.Balance of all comparative nutrition more easier for digestion and absorption of shrimp larva.
- 4.It offers the best sheltering watercolor for larval environment.
- 5.Enriched above 9 kinds of nutrition that shrimp larva could not produce by itself, and special formula for larvae directly absorb.
- 6.Better direct absorption rate than any other larval feeds.
- 7.Special smell for attracting larval clustering and diets.
- 8.The best water stability larva feed even heavy load feeding.
- 9.Suitable to each larva stage from Z1 Z2 Z3 , M1 M2 M3 , P1 P2 - P15

Usage

Put in 300 or 200 mesh wash net, wash it in basket, then sprinkle it to the hatchery pond.

HATCHERY FEED SERIES



MIAO PAO SUPREME BP

Item No: MPO17
Item Name: MIAO PAO SUPREME BP
Spec : Micro Encapsulated Particle
Package : 1LB/BAG, 10BAG/CTN

Crude Protein (%)	Crude Fat (%)	Crude Fiber (%)	Ash (%)	moisture (%)
Above 55%	Above 15%	Under 2%	Under 37%	Under 7%

Features

- 1.The best larval diets for larval healthy and robust.
- 2.Use advance technology of micro-encapsulation and have been proven more performance in hatchery pond.
- 3.Excellent buoyancy and highly attractive, totally enhance growth formula.
- 4.The best diet for each larval stage including Z1 Z2 Z3 M1 M2 M3 PL1~PL18

Usage

Put in 300 or 200 mesh wash net, wash it in basket, then sprinkle it to the hatchery pond.

HATCHERY FEED SERIES

MIAO PAO SUPREME SPIRULINA BP

Item No: MPO18
Item Name: MIAO PAO SUPREME
SPIRULINA BP
Spec : Micro Encapsulated Particle
Package : 1LB/BAG, 10BAG/CTN



Crude Protein (%)	Crude Fat (%)	Crude Fiber (%)	Ash (%)	moisture (%)
Above 65%	Above 16%	Under 2%	Under 3 %	Under 7%

Features

1. Use Spirulina, Cyanophyceae chlorella BP material & special formula for larval diets processed with Hi-tech microcapsulation.
2. Excellent buoyancy in the water.
3. Highly attractive and totally enhance growth formula.
4. Including Vitamin A 、 B1 、 B2 、 B6 、 B12 、 E 、 H 、 K 、 folic acid 、 Casein 、 Chlorophyl 、 Carotene.

Usage

Put in 300 or 200 mesh wash net, wash it in basket, then sprinkle it to the hatchery pond.

HATCHERY FEED SERIES

MIAO PAO SUPREME SPIRULINA



Item No: MPO18

Item Name: MIAO PAO SUPREME
SPIRULINA BP

Spec : Micro Encapsulated Particle

Package : 1LB/BAG, 10BAG/CTN

Crude Protein (%)	Crude Fat (%)	Crude Fiber (%)	Ash (%)	moisture (%)
Above 67%	Above 7%	Under 2 %	Under 3 %	Under 5 %

Features

1. Adapting selected natural high quality spirulina, and processing with advanced cryodrying techniques. It keep the whole nutrient structure of spirulina, such as 29 excellent amino acid, multiple fertile, vitamins and opulent necessary minerals.
2. Containing several amino acid that shrimp larvae can not produce by itself for the larvae to absorb and digest them directly.
3. High-Tech processing, it contain 10 million micro nutrient particles in 1gm. It is the best larvae diet for shrimp larvae growth.
4. The buoyancy is excellent in the water, it can stay in the water longer than other brand.
5. The taste favour is excellent, it can easy attracting larvae gathering to consume.
6. Having very good sheltering color in water.
7. Reducing the cannibalism each other.
8. Fitting entire stage for shrimp larval hatching.
9. The diameter of micro particles is the size for larvae to consume.

Usage

Put in 300 or 200 mesh wash net, wash it in basket, then sprinkle it to the hatchery pond.

HATCHERY FEED SERIES

MIAO PAO SUPREME SHRIMP FLAKE

Item No: MPO11
Item Name: MIAO PAO SUPREME
SHRIMP FLAKE
Spec : Flake
Package : 2LB/BOX · 10BOX/CTN



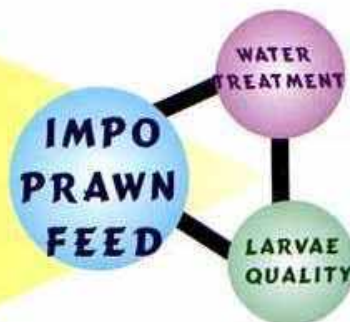
Crude Protein (%)	Crude Fat (%)	Crude Fiber (%)	Ash (%)	moisture (%)
Above 53.2%	Above 7%	Under 3%	Under 2%	Under 6%

Stage	Usage
Z1 Z2 Z3	Wash with 200 mesh
M1 M2 M3	Wash with 200 mesh
P1 - P12	Wash with 180 mesh
P13 - P18	Wash with 150 mesh

1. ENRICHED OMEGA-3 (N-3) LONG CHAIN POLYUNSATURATED FATTY ACID.
2. BALANCE OF ALL COMPARATIVE NUTRITION MORE EASIER FOR DIGESTION AND ABSORPTION OF SHRIMP LARVA.
3. IT OFFERS THE BEST SHELTERING WATERCOLOR FOR LARVAL ENVIRONMENT.
4. ENRICHED ABOVE 10 KINDS OF NUTRITION THAT SHRIMP LARVA COULD NOT PRODUCE BY ITSELF, AND SPECIAL FORMULA FOR LARVAE DIRECTLY ABSORB.
5. BETTER DIRECT ABSORPTION RATE THAN ANY OTHER LARVAL FEEDS.
6. SPECIAL SMELL FOR ATTRACTING LARVAL CLUSTERING AND DIETS.
7. THE BEST WATER STABILITY LARVA FEED EVEN HEAVY LOAD FEEDING.
8. SUITABLE TO EACH LARVA STAGE FROM Z1 Z2 Z3 , M1 M2 M3 , P1 P2 - P18

PRAWN FEED SERIES

The Best Nutrient Structure For Prawn



3 Main Factors
Lead
Shrimp Culturing
to
Success Way

IMPO Features

1. Enriched omega-3 (n-3) long chain polyunsaturated fatty acid.
2. Special formula for stage by stage providing different requirement of prawn grow up.
3. Average FCR is 1.3 ~ 1.5 that is much lower than other brand (about 1.7 ~ 2.1).
4. Unique formula for attracting prawn gather to eat.
5. Using high-tech of multi-adjusted steam system producing line. The product can last longer than others.
6. Reducing the contamination of water and enhancing the stability of water.
7. Full of nutrient structure for prawn growing. The body of shrimp grow fast. In addition, it will shorten the period of harvest time and reduce the expense of total cost.
8. Special formula that enhance the taste or flavor of shrimp meat extremely excellent and dedicated.
9. Reducing the cannibalism of each other.
10. Unique composition which abstract from rare herbal stuff that will increase the immunity of shrimp, and also prevent shrimp from infected by bacteria or virus.

PRAWN FEED SERIES

P. Monodon IMPO 0 Series
(Tiger Shrimp, Grass Shrimp)

P. Japonicus IMPO 1 Series
(Kuruma Prawn)

P. Vannamei IMPO 2 Series
(White Shrimp)

P. Indicus IMPO 2 Series
(India White Shrimp)

Macrobrachium resenbergtii IMPO 3 Series
(Giant Fresh Water Prawn)



Packing: 20KG/BAG

Item No	IMP01	IMP02	IMP03	IMP04	IMP05
Average Body Length (cm)	1~2.5	2.5~5	5~8	8~12	> 12
Average Body Weight (g)	< 0.2	0.2~2	2~8	8~12	> 12
Feeding Ratio (%)	15	15~10	10~5	5~3	3~1.5
Dosage (kg) 100,000 pieces/Day	0.8~2.4	2.4~24	24~40	40~50	> 50
Feeding Ration / Day	2~3	3~4	3~4	4~5	4~5
Monitoring Feed Tray (hour)	2.5~2	2~1.5	1.5~1.0	1.5~1.0	0.75



PRAWN FEED SERIES

Item No.	IMP01	IMP02	IMP03	IMP04	IMP05
Crude Protein (%)	≥ 42	≥ 42	≥ 40	≥ 38	≥ 38
Crude Fat (%)	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
Crude Fiber (%)	< 3	< 3	< 3	< 3	< 3
Ash (%)	< 14	< 14	< 14	< 14	< 14
Moisture (%)	< 10	< 10	< 10	< 10	< 10

IMPO 0 Series

P. Monodon

(Tiger Shrimp, Grass Shrimp)

IMPO 1 Series

P. Japonicus

(Kuruma Shrimp)

Item No.	IMP11	IMP12	IMP13	IMP14	IMP15
Crude Protein (%)	≥ 50	≥ 48	≥ 46	≥ 45	≥ 42
Crude Fat (%)	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
Crude Fiber (%)	< 3	< 3	< 3	< 3	< 3
Ash (%)	< 14	< 14	< 14	< 14	< 14
Moisture (%)	< 10	< 10	< 10	< 10	< 10

IMPO 2 Series

P. Veinamei

P. Indicus

(White Shrimp)

Item No.	IMP31	IMP32	IMP33	IMP34	IMP35
Crude Protein (%)	≥ 40	≥ 40	≥ 38	≥ 38	≥ 37
Crude Fat (%)	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
Crude Fiber (%)	< 3	< 3	< 3	< 3	< 3
Ash (%)	< 14	< 14	< 14	< 14	< 14
Moisture (%)	< 10	< 10	< 10	< 10	< 10

Item No.	IMP21	IMP22	IMP23	IMP24	IMP25
Crude Protein (%)	≥ 42	≥ 42	≥ 40	≥ 38	≥ 38
Crude Fat (%)	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
Crude Fiber (%)	< 3	< 3	< 3	< 3	< 3
Ash (%)	< 14	< 14	< 14	< 14	< 14
Moisture (%)	< 10	< 10	< 10	< 10	< 10

IMPO 3 Series

Macrobrachium Resenbergii

(Giant Freshwater Prawn)



WATER TREATMENT SERIES

FIRST AID

The best choice for critical moment

Item No: WTR01
Item Name: FIRST AID
Package : 1KG/BAG, 20BAG/CTN



Biotechnology Absolute Advantage
Toxicant free
Pollution free Safety promised

Main Function

To use in the critical moment and provide the oxygen which is needed and include special formula can help to stable the algal. This product is not a drug for toxicant, bacterial, disease therapy. It will be helpful to keep the value of DO 5.0ppm to prevent, to reduce the percentage of infection for the above symptoms.

Ingredient

Calcium hydroxide($\text{Ca}(\text{OH})_2$)	10%
Calcium oxide	15%
Magnesium oxide (Mg_2O)	5%
Nutrient carrier	20%
Activated oxidizer	5%

Caution

1. Daily use under 0.1ppm.
2. Store in cool and dry area.
3. To keep away from children's reach.

Critical moment	Dosage	Remark
Electricity break	0.3 ~ 1.2 ppm	Use as needed
Insignificant of dissolution of oxygen	0.2 ~ 1.0 ppm	
Climate or Algae not stable	0.2 ~ 1.0 ppm	
Shrimp in upper level of water	0.3 ~ 1.0 ppm	Use as needed
Stop eating or overfeed	0.3 ~ 1.0 ppm	Use as needed
Before drug bath	Over 0.3 ppm	
After drug bath	Over 0.3 ppm	

Usage

Mixing with 50 times of water and sprinkle it in the pond evenly.

WATER TREATMENT SERIES



BOTTOM AID

The best shrimp living environment creator

Item No: WTR02

Item Name: BOTTOM AID

Package : 1KG/BAG, 20BAG/CTN

Biotechnology Absolute Advantage

Toxicant free Pollution free Safety promised

Main Function

1. Purify the water quality and maintain bottom pond soil.
2. Adjust the PH rate and stabilize the water quality.
3. High efficiency for disease minimization to raise the productivity.
4. Increase the capacity of disease resistance to reduce the expense on chemicals and antibiotics.

Ingredient

Botanical Nutrition Abstraction	10%
Protein enzyme	20%
Amylaseenzyme	20%
Fibrous enzyme	20%
Lipase Bacteria	20%
Vitamin A · D · E group	10%

Caution

1. Daily use under 0.1ppm.
2. Store in cool and dry area.
3. To keep away from children's reach.

Usage

1. After water drained, dirt cleaned, perfuse with lime 40kg in 1 hectare.
2. Put water into pond about 15cm depth for 4 days.
3. Mixing Bottom Aid with 20 times of water and sprinkle it in the pond evenly on the 5th day, then turn on the waterwheel.

Dosage

Use 20kg Hai-Yu Bottom Aid in 1 hectare (ha) pond.

WATER TREATMENT SERIES

AQUAMED

The best shrimp disease treatment

Item No: WTR03
Item Name: AQUAMED
Packag : 1KG/BAG, 20BAG/CTN



Main Function

1. Improving the deterioration of the bottom layer of water and releasing the stress of the shrimp and fish, so it can prevent them from being infected by bacteria, virus and protozoa.
2. Reducing odor and algae growth, adjusting the turbidity down, stabilizing PH and accelerating shrimps' shell taking off.
3. Preventing and improving the following phenomenon: broken antennal flagellum, broken legs, black gill disease, yellow gill disease, soft shell syndrome,

INGREDIENT

EXTRACT OF MINERAL COMPOUND	50%
NATURAL LEACHY BUFFER	50%

DOSAGE

1. PREVENTION: 1000M² USE 1KG, ONCE PER 3-4 WEEKS.
2. IMPROVEMENT: 1000M² USE 2KG, USING 1KG 2 WEEKS LATER AFTER FIRST USING.

Usage

1. Sprinkle AQUAMED evenly on the surface of quiet water. Then start the paddle wheel and ion dissolved oxygen nozzle.
2. Before using AQUAMED, you have to stop feeding, the day and the next day after using the product, only half amount of feed, then increasing to the normal amount gradually.

NEG-ION NOZZLE SERIES

THE NEWEST TECHNOLOGY FOR SHRIMP CULTURING



The installation of grow-out pond



Comparing with traditional nozzle

**HIGH
PROFIT**



Neg-ion bubbles jump out of the surface of water

**HIGH
HARVEST**



High DO Neg-ion water spraying on the shrimp pond

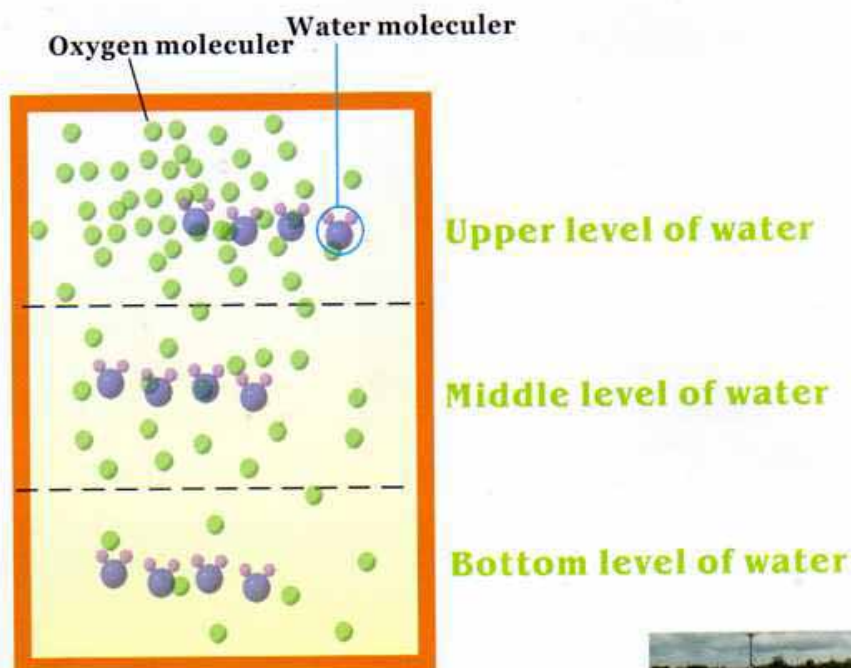


Neg-ion Nozzles produce a great volume of microbubble under water, even on the surface of pond, the bubble still very fine.

NEG-ION NOZZLE SERIES

The Reasons for Lacking Dissolved Oxygen By Using Conventional Aeration System

1. The aeration and paddlewheel will let the upper level of water have enough Dissolved Oxygen, middle level of water less and the bottom level of water always lack of Dissolved Oxygen.
2. Conventional Dissolved Oxygen Method in Aquaculture is wrong for shrimps which are bottom habitation creature.



The traditional aquaculture system

NEG-ION NOZZLE SERIES

Features

1. The new technics, which has great honor to obtain many countries patent, producing negative oxygen ion and initial status oxygen that can easily destroy the bacteria.
2. Each nozzle can provide 6 ~ 9 tons of high Dissolved Oxygen water which between 5PPM ~ 8PPM per hour.
3. Speeding up decomposition of organic matter under water, purify water, stable the PH value of water effectively and easily.
4. Decomposing toxicants such as: ammonia, Nitrite and hydrogen sulfide.
5. Preventing from different temperature of water layer formation.
6. Preventing from different salinity water layer formation.
7. Applying different of pressure to reduce mass harmful bacteria, plankton, and algae reproduction.
8. Preventing the prosperity of algae, and always keep the balance of water in the shrimp culturing environment..
9. Deodor of the bottom of the pond.
10. Predicting the change of water in the bottom layer and providing the most efficient reliability of DO for the management of water quality.



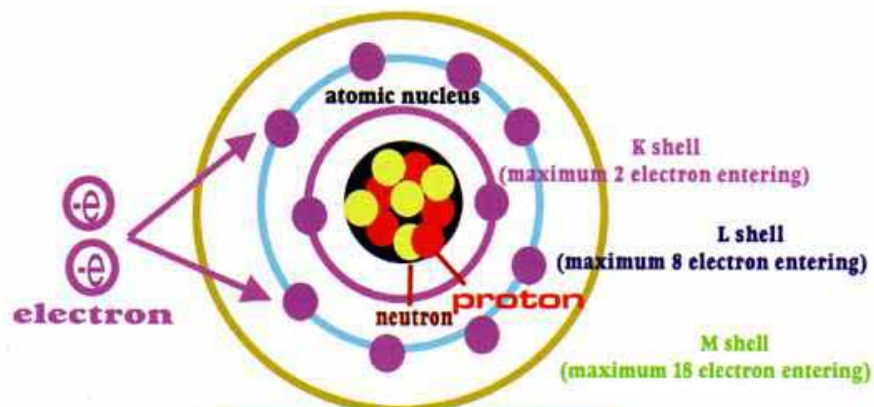
Economic Analysis

1. Saving the electricity expense about one third to two thirds when compare to the conventional aeration system.
2. Saving the cost of antibiotics and water treatment.
3. Increasing the intensive rate of culturing.
4. Shorten the harvest time when set the harvest goal is same.
For instance, if the harvest goal set 30gm you will shorten the harvest day 7~10 days.



NEG-ION NOZZLE SERIES

The mechanism of negative oxygen ion applying in Aquaculture



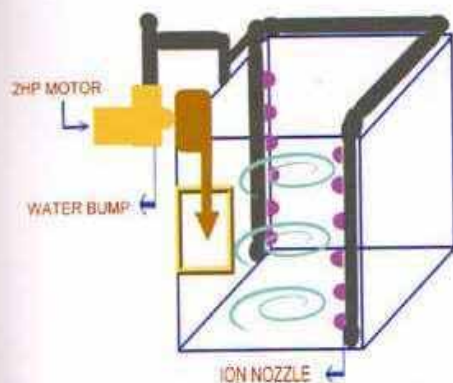
By supplying electrons to make the stability better and keep the quality of water.



The more micro bubble producing the more Dissolved Oxygen in culturing pond.

NEG-ION NOZZLE SERIES

Hatchery pond installation



Microbubbles



Micro bubbles enhance DO close to saturation point.

Grow-out pond installation



Micro bubbles plus negion spraying ensure the performance and profit of harvest.

Yes, We Increase Your Harvest Rate!



We Concentrate on
Shrimp Culturing
We Provide
Solutions
We Mean
Success

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