Instant Algae® — Algae When You Need It™

LPB

Frozen Shellfish Diet

For Bivalve Larvae after day 7, Seed and Broodstock



PRODUCT DESCRIPTION:

LPB is a frozen, whole-cell concentrate of *Tetraselmis sp.*, *Thalassiosira weissflogii* and *Thalassiosira pseudonana.*

APPLICATIONS:

Effective for all life stages: Larvae, Setting, Spat and Broodstock

- Peak Load Supplement
- Up to 100% Live Algae Replacement
- Back-up feed supply
- Remote set
- For use with: Open tanks, cultch tanks, silos, bottle upwellers, header tanks
- Effective for many species including artemia, crab, sea cucumber and some copepods

BENEFITS:

- Exceptionally clean
- Easy to use
- Always available
- Balanced Lipids (DHA, EPA), protein and carotenoids

APPEARANCE, PACKAGING & STORAGE:

- Viscous green concentrate - Solid when frozen
- 1 liter bottle
- 2 years shelf life when frozen. Use within 8 days of defrosting
- Keep frozen before defrosting, refrigerate after defrosting
- Concentrate can be refrozen



Reed Mariculture
ENSURING HATCHERY SUCCESS™

Producers of the Instant Algae,® Reef Nutrition® and APBreed® product lines •
Distributors of Otohime® and Mizuho® products for Marubeni Nisshin, Japan • Distributors of fresh Chlorella for Chlorella Ltd, Japan

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TECHNICAL DATA :

Physical Properties

Algal Cell Size..... 4.5–15 microns
Cell Density..... ~1 Billion cells per ml
Algal Biomass..... 150g Dry Biomass/L

Composition of Dry Algal Biomass (Typical)

Protein..... 52%
Lipids..... 10.7%
DHA..... 8.0% (% of lipids)
EPA..... 9.5% (% of lipids)
Carbohydrate..... 16.0%
Ash..... 21.0 %

Composition of Liquid Product:

Protein..... > 7.8%
Lipids..... > 1.5%
Carbohydrate..... > 2.4%
Ash..... < 8.5%
Moisture..... < 85%

Microbial Specification

Coliform Bacteria..... <0.3 mpn/ml
Salmonella..... Negative
Known pathogenic marine bacteria... Negative

DIRECTIONS:

1. Defrost **LPB** overnight in a refrigerator
2. Dilute LPB concentrate with clean system water to suspend the microalgae. Do not use a blender. Pour through a 50 micron screen for better dispersion
3. Add to your tank according to the feeding charts below.
4. Feed several times a day. Divide total daily feed ration from the chart among daily feedings
5. Store defrosted Microalgae concentrate in a refrigerator. Refrigerated product should be used within 8 days of defrosting.

*** for additional feeding directions and feed rates see:**

TYPICAL FEED RATES:

Larvae Feed Chart:

Feed according to shell length. Shell length on a given day may vary between production runs.

Daily Feed Rates per million larvae (from FAO protocol)

Mean shell length	Day	Liters of live Isochrysis (4x10^6 cells/ml)	=	L P B (ml)
75	N/A	0.4	=	N/A
95	N/A	0.6	=	N/A
100	N/A	0.7	=	N/A
115	N/A	2.1	=	N/A
130	N/A	3.6	=	N/A
145	7	5.1	=	3.9
160	8	6.6	=	4.9
190	9	9.5	=	7.1
220	10	12.4	=	9.3
240	11	14.4	=	10.9
260	12	16.3	=	12.2
270	13	17.3	=	13.0
280	14	18.3	=	13.7

Single Seed/Spat Feed Protocol:

1. Clean and weigh seed
2. Feed 0.4ml **LPB** per gram live weight of seed per day
3. Divide feed into 3 or more feedings per day.
4. Clean seed daily and adjust feed rate frequently

Broodstock Conditioning:

1. Feed 0.18 - 0.3ml **LPB** per animal per day (assuming 10g meat weight)
2. Adjust feed according to animal size
3. Divide feed dose into 3 or more feedings per day

*** for additional feeding directions and feed rates see:**