



Topdress Formula – White Shrimp

## Probiotic Bacteria PB100F

PB100F's select blend of probiotics & pure enzymes are geared towards optimized digestive functions & disease prevention.

Great Lakes Bio Systems' PB100F is a custom-designed penaeid enzyme-probiotic feed additive blended meticulously to optimize the systemic functions of shrimp during culture.

This truly unique formula is a blend of 5 probiotic bacteria species along with 3 antivibrio strains which combine to achieve the most favorable levels of systemic toxin elimination (inside the animal), enhance immune response and maximize nutritional uptake of feed ingredients. Because the penaeid digestive tract is comparatively primitive and the absorption process takes only a short time, it is necessary to optimize its digestion system with the inclusion of functional probiotic species and highly-targeted enzymatic ingredients for maximum nutrient absorption.

The consistent inclusion of PB100F in the feed likewise balances the intestinal flora of penaeids, improves appetite, and helps the animal to defend against pathogens by way of competitive exclusion.

This formula is made from carefully selected laboratory probiotic species along with ingredients that are generally regarded as safe (GRAS), non-hazardous, and non-toxic. Active ingredients consist of highly aggressive beneficial bacteria

species including antivibrial strains; plus proteins and enzymes with known capabilities to enhance immune response in farmed shrimp species, and assist in digestion and break down of systemic organic wastes.

PB100F benefits:

- Achieving maximum nutritional uptake and feed efficiency through increased digestion capacity and better absorption of nutrients
- Removal of systemic toxins and waste matter (from inside the shrimp)
- Balancing shrimp intestinal bacterial flora and optimize beneficial bacteria population in the gut
- Enhancing non-specific immune response against pathogens, especially vibrio infestations

*The Complete Aquaculture Program*





# PB100F

## Application

### *Top Dressing:*

Mix 1 – 3 grams of PB100F per kilo of feed, once or twice a day. Mix dose with water or fish oil, and apply to pellet feed manually. Let the formula absorb into the feed for a few minutes, then broadcast to animals.

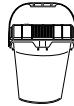
### *Note:*

Use PB100F daily for at least one feeding for daily health maintenance. Increase to two feedings a day when under attack by disease, inclement weather or pollution.

## Composition

Probiotic formula of 5 species, enzymes from plants, enzyme enhancing agents, trace minerals and stabilizers.

## Packaging



18kg pail  
Screw-head Pail

## Handling and Storage

Apply only as intended. Though this product is non-toxic and nonhazardous, it is not suitable for human consumption. The manufacturer assumes no liability, expressed or implied, in the use of this product.

Store this product out of direct sunlight in a cool (under 38° C) dry area. For best results, use within 12 months.

Request a PB100F MSDS for more specific information.

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