

Catalog

This is a list of the products that Aqua-In-Tech currently sells. This covers the major items.

PRO4000X www.bioremediationaquaculture.com

A tableted tool with each tool containing > 64 billion CFU total of Bacillus spores from strains selected to degrade organic matter and break ammonia down. TARGETED DELIVERY to the pond bottom directly to where the organic matter accumulates. Field proven and in use in Venezuela, Belize, Bangladesh, New Caledonia, Mexico, Taiwan, Indonesia, Vietnam, India and elsewhere. Bacteria change pond ecology and shift algal populations. No activation required. Easy to use and highly effective tool when used properly.

AQUAPRO-F www.bioremediationaquaculture.com

Formulated for addition to the feed, either as a top-dressing or milled directly into the feed. Contains 5 selected Bacillus strains, MOS and enzymes that aid in feed digestion.

AQUAPRO-EZ www.bioremediationaquaculture.com

Two hundred and twenty five grams to five hundred grams of AQP in a biodegradable bag for rapid delivery to the pond bottom. Each bag contains >1 trillion CFU and selected nutrients to stimulate germination of the spores. Works great in quiet bodies of water, such as lakes, reservoirs, canals, etc. Also works in shrimp and fishponds.

AQUAPRO-B (AQP) www.bioremediationaquaculture.com

This is a “probiotic” that should be mixed with water and aerated prior to being added to the tank (activated). Use daily at 5-10 ppm prevents problems in nauplii and early zoea stages. Used throughout the production cycle the bacteria compete against vibrio bacteria in the tank to lessen problems during culture. AQP contains much higher levels of bacteria than most competitive products. It can also be used in ponds, tropical fish tanks, etc.

Custom Blends of bacteria are available on request.

AMMEX

This is a chemical that detoxifies ammonia, chlorine and chloramines. It is not regulated by the FDA and is safe and effective for use in transporting food fish and shrimp. It comes as a powder and a bolus for direct addition to fish and shrimp transport tanks.

CHLORION www.aqua-in-tech.com/water-conditioners.html

This is a chemical that is used in Europe to disinfect drinking water and for the treatment of filamentous bacterial gill disease in trout and other fish species. It has also been widely used in SE Asia in shrimp ponds, though it is expensive. The chemical is a “tamed” chlorine compound with a low level of toxicity and thus a high margin of safety. The 96 hr LC 50 in juvenile *P. vannamei* is 45 ppm. This is as close to a silver bullet as there is.

Use: Addition to PL tanks on a daily basis starting at PL2 at 5-6 grams per MT (5 -6 ppm) of water.

Addition to Artemia Cysts at the time of hatching (**30 ppm**) to reduce bacterial loads in water. This can eliminate almost all bacteria from the hatched Artemia, which is a very important source of problems in shrimp hatcheries. Produce vibrio free Artemia cysts.

Disinfection of floors, foot baths, water, animals, etc.

This material also has extensive utility in the swine, poultry and cattle sectors.

IODOPHOR www.aqua-in-tech.com/water-conditioners.html

This is a 1% PVP-Iodine solution that is widely used to disinfect fish and shrimp eggs, equipment, etc. It is also used in footbaths and as a hand wash. This is a safe, non-toxic and sterile preparation of stabilized iodine. It is a liquid, available in 1 gallon jugs and 55 gallon drums.

DIETS and ADDITIVES

MEGA-X www.aqua-in-tech.com/prebiotics.html

This is an all natural bacterial extract from non-pathogenic environmental bacteria that when used in the hatchery can prevent bacterial disease problems and that when used immediately prior to stocking shrimp has been shown in extensive field trials to increase survivals by 1 to 8%. When used in the hatchery it has been shown to increase survival as well. Shrimp eat it and the active ingredient stimulates a non-specific immune response that results in an increased ability to withstand stress and pathogens. Mega-X is a mixture of selected dead bacteria that increases resistance to stress and disease. This product has been

extensively tested in the field (billions of shrimp) and increases survival in farmed shrimp by 1 to 8%. It can be used in the hatchery with positive benefits as well. There is no use for this product in fin-fish.

Use: Feed late in the hatchery rearing cycle, during transport or during acclimation at pond side. Feed 1 kg per 2.5 MT of water for 3 hours, 1.25 to 2 million PLs. Product can also be used for less time at higher concentrations, or longer time at lower concentrations.

These diets are suitable for fish and shrimp. We can custom formulate diets with specific nutrients, vitamins, minerals, nutraceuticals, probiotics, etc.

Black Box Diets

These diets encompass the entire size range required for larval shrimp from zoea to PLs ready for stocking. They can be manufactured containing a number of compounds that will allow shrimp to better tolerate stresses and resist disease. They range from under 100 microns to more than 1000 microns.

Forta Flake

This is a traditional high quality flake product that is formulated with additives as well that will allow shrimp to better tolerate stresses and resist disease.

KRILL MEAL

This product is dried *Euphausia superba*, a tiny crustacean that lives in the Arctic. It is an excellent feed and is often used in feeds for its attractability. For larval shrimp it can be added at all life stages since the particle size range is large. By selectively screening the raw material we have available product in the 3 to 600 micron size range. We also have a spray dried krill hydrolysate, that although more expensive, falls into the 20 micron or less size range. We also have frozen biomass, which is an excellent replacement for enriched Artemia Biomass; it costs less is more biosecure and has a better nutritional profile. Frozen biomass available is both *E. pacifica* (small) and *E. superba* (large). **KRILL MEAL CAN BE FED DIRECTLY TO HATCHERY TANKS AS A SUBSTITUTE OR PARTIAL REPLACEMENT FOR TRADITIONAL LARVAL DIETS.**

SPIRULINA

This blue green algae is widely used to supplement larval shrimp diets. It can be mixed with various other feeds and used as part of a mixture or added directly to tanks to supplement traditional feeds.

ARTEMIA CYSTS

This live food for larval shrimp is harvested from salt water lakes in China, Russia and the Great Salt Lake in the USA. We have good working relationships with many of the companies that harvest these cysts and are able to supply them at competitive prices for repackaging or direct use.

AQUAGROW DHA

We sell an algal biomass that is high in DHA and that can be used in enrichments for Artemia and Rotifers or added to directly PL tanks.

FUCOIDAN

This is an extract of an alga that is high in the sulfated polysaccharide, fucoidan. This material binds to enveloped viruses (like the White Spot Virus) and prevents them from being infectious. It has been found to have activity against Herpes virus, even the AIDS virus. It binds the virus only when the virus is present when it is present. The molecule is too large to cross into the hemolymph so it is useful in lessening the potential for viral ingestion through vectors. This material likely will have activity in fish against enveloped viruses as well.

Use: Use from the time that the shrimp start feeding in ponds at 1 or more kg/MT of feed. Feed continuously for 30 to 45 days. Can be milled into the feed or added by top dressing (mixing with oil and coating the feed).

NUCLEOBOOST

A single cell protein, very high in protein (>70%) that can be fed to shrimp either milled directly into the feed or top-dressed. It is also very high in nucleotides (8%) and has a potent immunologically active cell wall high in lipopolysaccharides.

Use: Use 1 to 5 kg/MT of feed.

BETAGARD

We have three different grades of beta 1-3, 1-6 glucan, ranging from the very crude to the highly purified.

Our best product is an extract of brewers yeast high in beta 1-3 glucan with 1-6 branches to ensure high potency. It requires only 100 grams/MT for optimal activity. Glucans have been reported to impact the immune systems of shrimp and fish and are added to diets to increase resistance to stress and disease.

Use: 100 grams to 2 kgs/MT of feed.

SPLIT GILL

A potent source of beta 1-3 glucans that has been field and laboratory proven. This product is equivalent to Vitastim.

Use: 1kg/MT of feed.

ECOMOS

This is a yeast extract that is derived from a yeast that is cultured to produce 28% Mannan Oligosaccharide (MOS). MOS are sticky compounds that have been found to bind to a number of different groups of bacteria making them pass through the animals gut without causing disease.

Use: Add 1 to 2 lbs per MT of feed on a continual basis.

ARTEMIA BIOMASS

Frozen Artemia biomass from China and from Mono Lake, USA.

KRILL BIOMASS

Frozen whole, raw or blanched krill. This is a moderate sized Euphausiid shrimp that comes from the Antarctic Ocean. It can be used instead of enriched Artemia Biomass and has the advantage of being a natural food stuff from cold Ocean waters that already contains the nutrients that must be added to enriched Artemia Biomass. Cost effective replacement for Artemia Biomass.

POLYCHAETES

Frozen worms from China.

FISH HYDROLYSATE

Hydrolyzed wild salmon from a certified fishery. Useful as an attractant, a substitute for fish meal or simply to top dress feeds increasing palatability.

We also sell a variety of other materials. Please ask.

MINERSOIL <http://www.aqua-in-tech.com/fertilizers.html>

A high silica fertilizer for increasing diatom content in ponds.

AQUASTIM

A complex mixture of organic ingredients used to fertilize ponds and improve and promote healthy microbial bacterial populations. Can be used in conjunction with Aquapro B and other products.