

FACTS AND INFORMATION ABOUT HYDROLYZED FISH VS. FISH EMULSIONS

The nitrogen, amino acids and peptides are far superior with the hydrolyzed process.

Multi-Bloom and Mega Green are made from 100% catfish protein. We extract the protein from the frame of the fish after the fillets are removed for sale to restaurants and supermarkets. We produce over 1,500,000 pounds of fresh catfish fillets per week.

The protein is placed into a 20,000 gallon blended jacket blender. It is then processed at a temperature of 135 to 140 degrees F. The protein molecule (like the size of a basketball) is **HYDROLYZED** with enzymes. The result is that Amino acids and peptides are now a much smaller size (like a pea or golf ball).

This insures that the Nutrients, Amino acids, Enzymes, Growth Hormones, and Vitamins are easily absorbed by plant tissue either foliar or through root hairs. The heat from the EMULSION PROCESS DESTROYS THESE heat sensitive NUTRIENTS.

This process occurs within 30 to 45 minutes of the fish being filleted. Fresh fish does not smell, where as fish Emulsions STINK!

Multi Bloom and Mega Green are cold process from start to finish. We do use NATURALLY ACCRUING BACILLUS ENZYMES . these enzymes help to produce a liquid soup of rich protein (13%).

The enzymes are put into suspended animation when we add Phosphoric acid to stabilize and stop the further enzyme activity to breakdown the Amino acids and peptides, which are the building blocks of plant cells structure. Plants need and use the Phosphorus.

We then run the product through a vertical centrifuge to separate most of oil and any solids. This insures that our products, Multi-Bloom and Mega Green will go through a 200 mesh screen. The result is that MultiBloom will go through YOUR Drip System.

EMULSIONS first REMOVE the PROTEIN (fish meal) and sell that as pet food. Then they REMOVE the OIL from the fish, for cod liver oil

and related products. What is left is then boiled down, at high temperatures, to a 50% solution that is sold as a fertilizer. The steam used to remove the fish meal is from municipal water which contains chlorine. The chlorine can be as high as 14% in the final product. This is due to boiling down the thick soup to a 50% solution. The chlorine (salts) is doubled.

You cannot evaporate a liquid down to 50% solution without the use of HEAT. Once heat is used, ALL the heat sensitive amino acids, enzymes, growth hormones, and vitamins are DESTROYED.

FISH naturally contains approximately 2.3% Nitrogen. If a company is selling a fish product with a higher Nitrogen analysis, the product MUST BE BOILED DOWN or (evaporated) The result is that, heat sensitive compounds from the fish are gone. Unless they add Nitrogen from another source (like UREA) and then it is NOT ORGANIC.

Emulsions are thick like Molasses. They Smell and are hard to handle. They are known for clogging sprayers and getting stuck in holding tanks. Because they are so thick, they may contain HEAVY METALS. (MERCURY AND PCB'S). Also it is difficult to pump it all from tots and holding tanks, especially toward the bottom.

Multi-Bloom and Mega Green are screened through a 200 mesh screen. We guarantee that it will go through your drip system. Also there are NO HEAVY METALS IN THESE PRODUCTS.

MULTI BLOOM & MEGA GREEN EMULSIONS

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|----|-----------------------------|--|
| 1. | 100% fish protein | trash fish -Menhaden |
| 2. | No fishy odor | STINKS |
| 3. | COLD PROCESS | COOKED |
| 4. | Higher Phosphorus | low phosphorus |
| 5. | No fish meal removed | FISHMEAL REMOVED |
| 6. | NO Chlorine | contains Chlorine |
| 7. | NO Heavy Metals | contains Heavy Metals |
| 8. | Goes through drip | WILL NOT go through
Drip irrigation |

HYDROLYSATE COMPANY OF AMERICA LLC

P.O. BOX 271 ISOLA MS 38754

PHONE: 877-964-2887 or 662-962-3101

Fax: 805-474-8531 or 662-962-0118

www.multibloom.com