



Technical Data Sheet

Revised: 10/07

Biological Clarifier PLUS

Product Make-Up: Bacillus Bacteria Cultured On Barley

Package: 8 oz. Bottle, 2 lb. Bottle, 6 lb. Bucket, 25 lb. Bucket

Treats: 1 oz. Treats 1,000 Gallons

Toxic: Non-Toxic When Used As Directed

Warnings: Keep Out Of Reach Of Children, Not For Human Consumption, Store At Room Temp.

Shelf Life: 3 Years

MSDS Sheet: Available Upon Request

Biological Clarifier PLUS

CrystalClear® Biological Clarifier PLUS (Dry) is an all-natural, freeze-dried bacteria and enzyme complex formulated to remove nasty water and organic sludge. CrystalClear® Biological Clarifier PLUS (Dry) is fortified with several billion bacteria colonies per gram and six (6) enzymes all selected and designed for their waste and green water degrading properties. CrystalClear® Biological Clarifier PLUS (Dry) has among the highest bacteria counts presently available to the water gardening market today.

When applied to an aquatic system CrystalClear® Biological Clarifier PLUS (Dry) will begin to multiply exponentially and will begin to pull out nutrients and harmful wastes from a pond. These nutrients and wastes usually include organic material, fish wastes, dead plant life, leaves and many other organic materials. These "wastes" are, for all intent and purposes, bacteria food. The six enzymes contained in this product will perform the initial work to begin the breakdown of the waste. The enzymes will act as a "saliva" to breakdown the bulk of the waste so the bacteria can perform their function more easily and efficiently. Once the wastes have been consumed the only bi-products that are excreted by the bacteria are harmless carbon dioxide and water.

Most importantly CrystalClear® Biological Clarifier PLUS (Dry) is fortified with Activated Barley®. This product is cultured on barley to assist it in the degradative process. Most bacteria are cultured on whey, which serves no purpose in the pond eco-system. Now not only will the consumer have bacteria and enzymes available in the pond to do the work but also the degradative powers of barley. No more unsightly barley bags or stinky bacteria, now its all available in one product...CrystalClear® Biological Clarifier PLUS (Dry).

CrystalClear® Biological Clarifier PLUS (Dry) works to clear brackish water quickly and efficiently resulting in sparkling water year-round. A common misconception is that bacteria will eat living algae when in fact bacteria will not consume anything that is living. "The Pond Owner's Worst Problem" is often a very hard task for CrystalClear® Biological Clarifier PLUS (Dry) to rid the pond of since it is not suspended. Suspended particles (being much smaller) are much easier to remove than masses of "clumped up" organic. In some instances we have seen the product work to remove this problem but we do not claim this as one of CrystalClear® Biological Clarifier PLUS' (Dry) benefits.

CrystalClear® Biological Clarifier PLUS (Dry) is designed to perform the functions that the naturally occurring bacteria cannot perform. Most naturally occurring bacteria cannot keep up with the constant load of organics entering the pond. Therefore, it is necessary to inoculate ponds with

bacteria and enzyme supplements such as CrystalClear® Biological Clarifier PLUS (Dry) to ensure a clear, healthy system. CrystalClear® Biological Clarifier PLUS (Dry) is 100% safe for fish and plants and performs very well for seeding filters and the entire pond.

As with any living creature bacteria need certain environmental parameters to survive. Therefore, it is necessary to have the following characteristics present in a pond before treatment to ensure the proper function of this product:

Best Used When:

pH OF WATER MAINTAINED BETWEEN 6.5 AND 9.0.
WATER TEMPERATURE ABOVE 60°F (15°C).
DISSOLVED OXYGEN LEVELS ABOVE 3 PPM (3 MG/L).