



# Macro-Zyme™ Pond Bacteria

## The **Green** Approach to Cleaning up your Pond

- **Removes pond scum and odors:** Eliminates fish wastes and ammonia. Digests organic compounds and assists in the breakdown of goose/duck excrement. Rapidly removes dead grass, leaves, and paper.
- **Reduce Excess:** Removes nutrients and sediments without chemicals. Decreases Nitrite and Nitrate, and reduces phosphate (which is typically the limiting nutrient for plant growth).
- **Safe and Non Toxic:** Non pathogenic/ non toxic to human, fish, wildlife, and livestock. It is safe for irrigation ponds and no permit is required.
- **Better water clarity:** Clears water and helps restore a healthy oxygen level while also reducing oxygen demand.
- **Product extras:** Dry pack means no extra weight when shipping. No "stinky" smells from the product itself.
- **Easy to use:** Just toss the water soluble bags or apply the bulk product at the recommended rates. Shelf life of at least two years.



8oz water soluble bags



Jar of 6pkts of 1oz bags



25# bulk package

There are a plethora of manufacturers all suggesting that their bacteria and enzyme products are the best. We have experience with this product in real world application. Read what Fisheries Biologist Kevin Hutchinson from South Santee Aquaculture has to say about the product.

"Our commercial Pond Management Division is experiencing great results using Macro-Zyme in Stormwater Retention Ponds, Golf Courses and Lakes. The very first time we used Macro-Zyme we applied the bacillus bacteria in 32 different ponds. We performed sludge depth testing monthly, and combined with aeration, results revealed a 24 inch average sludge reduction annually. Needless to say this product far superseded all other bacteria products we have ever used."

– Kevin Hutchinson, Fisheries Biologist



## Make Your Pond Sparkle and Leave Pond Maintenance to Other Pond Owners.

**Macro-Zyme's** unique blend is the pond professional's choice for building and maintaining a healthy pond, water garden, and bio-filter. Used by professionals since 1991, this professional grade formula of highly concentrated blend of natural occurring bacteria and enzymes rapidly biodegrade top and bottom sludge while reducing components that contribute to sludge build up in ponds of all sizes.

**Macro-Zyme Plus:** This unique formula accumulates harmful organic material to the bottom of the pond where billions of beneficial bacteria work around the clock to neutralize and purify the water. . It is the First formula to combine blue pond dye, beneficial bacteria along with clarifiers, chlorine and chloramines removers, and electrolytes to create a total pond management product in one package.

### Macro-Zyme Plus

Contains Macro-Zyme bacteria plus the following:

Kasco-Blocker™ Blue Dye - reduces the harmful effects of UV Penetration

Electrolytes - aids in the development of fish body tissue

Clarifier - binds particles and clears water

Chlorine and Chloramines remover.

#### Macro-Zyme

Part #	Description	Ship Wt.	Dosage
MZ1	6pk 1 oz ws bags	1	1 oz treats up to 1000 gallons
MZ1C	Case of 6 - 6pks of 1 oz ws bags	3	case of 6 treats up to 6000 gallons
MZ8	8 oz ws bags	1	8 oz bag treats 1/2 acre ft.
MZ8C	Case of 40 - 8 oz ws bags	22	Case of 40 treats 20 acre ft
MZ25	25# bulk in bag in box, no ws bags	26	25# bulk treats 25 acre ft.

#### Macro-Zyme Plus

Part #	Description	Ship Wt.	Dosage
MZP1	6pk 1 oz ws bags	1	1 oz treats up to 400 gallons
MZP1C	Case of 6 - 6pks of 1 oz ws bags	3	case of 6 treats up to 2400 gallons
MZP8	8 oz ws bags	1	8 oz bag treats up to 3200 gallons
MZP8C	Case of 40 - 8 oz ws bags	22	Case of 40 treats up to 128,000 gallons
MZP25	25# bulk in bag in box, no ws bags	26	25# bulk treats up to 160,000 gallons

#### Calculations:

- Length (ft) x Width (ft) x average depth (ft) x 7.48 = total gallons
- One acre-foot (43,560 cubic feet) is the volume of water sufficient to cover an acre of land to a depth of 1 foot which is = 325,851 gallons

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