



Macro-Zyme Pond Bacteria & Enzymes

What is Macro-Zyme?

- Macro-Zyme is a blend of 7 hydrophilic (water-loving) bacteria.
- It is sold as a dry product, making it lighter to ship and less prone to freeze-risk. There is no smelly odor from the product itself.
- No yeast filler is added and it can be stored on the shelf (out of direct sun and moisture) for a minimum of two years.
- This beneficial bacteria is natural and in a dormant state, activated by pond water temperature over 55°.
- It is non-toxic and safe for fish, wildlife, pets, and people. No EPA permit is needed.

What does Macro-Zyme do?

- Macro-Zyme breaks down and removes excess nutrients from settling organic matter including fish waste, duck/goose excrement, falling leaves, pond weeds, run off, fertilizers etc. The reduction of these nutrients can reduce further algae growth and improve water clarity.
- Water quality is improved as phosphates, nitrates, and ammonia are reduced. Noxious odors can also be vented off.
- Macro-Zyme can begin degrading the sludge at the pond bottom without oxygen but works better with oxygen.

How to use Macro-Zyme?

- Toss in the water-soluble bags at the recommended rates. Scoop the bulk product for larger pond sizes or place the muck block near a source of flowing water.
- In our area, it is suggested to apply the beneficial bacteria every few weeks when the water temp. is over 55°. An easy way to accomplish this, is to add the product once a month in each of June, July, and August.
- Correct dosage is important. The bacteria reproduces exponentially but under-dosing will result in the beneficial bacteria being consumed by other organisms quicker.

Dosage: 8 oz bag treats ½ acre ft., therefore for ponds with an average depth of 6 feet:

- 3 bags for 1/4 acre pond
- 4 bags for 1/3 acre pond
- 12 bags for 1 acre pond

