

TECHNICAL Data Sheet



environmental products for a greener planet

Muck Fighter

Key Benefits

- **Reduces Pond Muck and Sludge:** Supports microbial digestion of accumulated organic sediments, leaves, fish waste, and other organic debris.
- **Improves Pond Water Clarity:** Reduces suspended organic particles and turbidity for clearer pond water.
- **Helps Limit Conditions That Favor Algae:** Digests sludge and reduces excess nutrients that commonly fuel algae blooms.
- **Reduces Nitrogen and Phosphorus Release:** Helps reduce nutrient buildup released from organic sediment decomposition.
- **Slow-Release 30-Day Treatment:** Block gradually dissolves over about 30 days, delivering consistent microbial dosing.
- **Simple Drop-In Application:** Place the block in the pond. No mixing, pumps, or application equipment required.

Applications

- Koi and Ornamental Ponds
- Farm and Irrigation Ponds
- Residential Water Gardens
- Stormwater Retention Ponds
- Lakes and Larger Water Bodies

Specifications

- Concentration = 6 billion CFU/g
- Weight = 2 lbs (908 grams)
- Coverage = Up to 1 acre per block
- Duration = Approx. 30 days per block



Product Description

Muck Fighter is a high-CFU beneficial pond bacteria block designed to reduce pond muck, digest organic sludge, and improve overall pond water quality. The slow-release block gradually dissolves over approximately 30 days, delivering beneficial bacteria directly to bottom sediments where organic material accumulates. As the block dissolves, the microbes activate to break down accumulated organic matter, reduce organic load, and digest sludge and sediment buildup.

By accelerating natural microbial digestion, Muck Fighter helps improve pond water clarity, reduce turbidity, and functions as a biological sludge remover. As organic sediment is reduced, fewer nutrients such as nitrogen and phosphorus are released into the water column, helping lower the nutrient conditions that commonly favor nuisance algae growth. The sinking block format provides a simple, low-maintenance pond treatment with no mixing, spraying, or specialized equipment required.

Packaging Options

- Single block
- Cases of 2 blocks
- Cases of 4 blocks
- Cases of 27 blocks

Shelf Life & Storage

- 2+ years at room temperature
- 3+ years refrigerated
- Store in a cool, dry location away from direct sunlight.
- Keep away from excessive heat or moisture.

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Application Guidelines

	Range	Optimal
pH Range	5.0 – 9.5	6.0 – 8.0
Temperature	45°F – 120°F (7°C – 49°C)	59°F – 86°F (15°C – 30°C)

Application Rates

Coverage:

Each Muck Fighter block treats up to 1 acre of pond surface area (approximately 2 million gallons, assuming about a 6-foot average depth) for approximately 30 days under typical conditions.

Blocks may be divided into smaller portions for smaller ponds or water features.

Recommended Application Rate:

Apply **1 block per acre of pond surface area every 30 days** during the active treatment season while water temperatures remain above approximately 59°F (15°C).

For cool water conditions between 41°F and 59°F (5°C–15°C), switch to Low Temperature Muck Fighter Blocks for improved cold-water performance.

Placement Tips

- For best performance, place the block in areas with water circulation or movement, such as:
- Near aerators
- Close to water inlets or outlets
- Near fountains or waterfalls
- Areas where sediment and organic debris accumulate
- Water movement helps distribute beneficial pond bacteria throughout the pond.
- Safe for fish, aquatic plants, wildlife, pets, and recreational water use
- Suitable for koi ponds, farm ponds, lakes, water gardens, and retention ponds

Disclaimer: Results may vary depending on environmental conditions, application rates, and management practices. The manufacturer makes no guarantee of specific results. Seller's liability is limited to replacement of product or refund of purchase price. Manufacturer is not responsible for misuse, mishandling, or application under adverse conditions beyond its control. This product is not registered for pesticidal use with the U.S. Environmental Protection Agency. It is intended as a microbial inoculant only. Keep out of reach of children.

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