

# SUMMER SLAM

WARM WEATHER LAKE & POND PROBIOTIC



**Summer Slam**® is dry probiotic (beneficial bacteria) formulation that improves water quality and restores balance in water bodies. As part of the Temperature Driven Solution product line (Polar Blend, Nature's Blend, Summer Slam), this warm water formulation excels between 75 - 120°F (23.9 - 48.9°C). Nature's Blend is enhanced with mesophilic microorganisms and select stimulants to ensure optimal performance in warm water environments. This formulation targets soluble nutrients and organic particles in the water column. It boosts floc formation of free bacteria, stimulates biological nutrient removal and digests organic particles.

Summer Slam should be applied by distributing the dissolvable packets evenly over the surface of the water body or near a location that promotes mixing (fountain, waterfall, etc). Summer Slam excels when used alone or after pesticide treatments to replenish the microbial community. Summer Slam DOES NOT kill algae or aquatic plants.

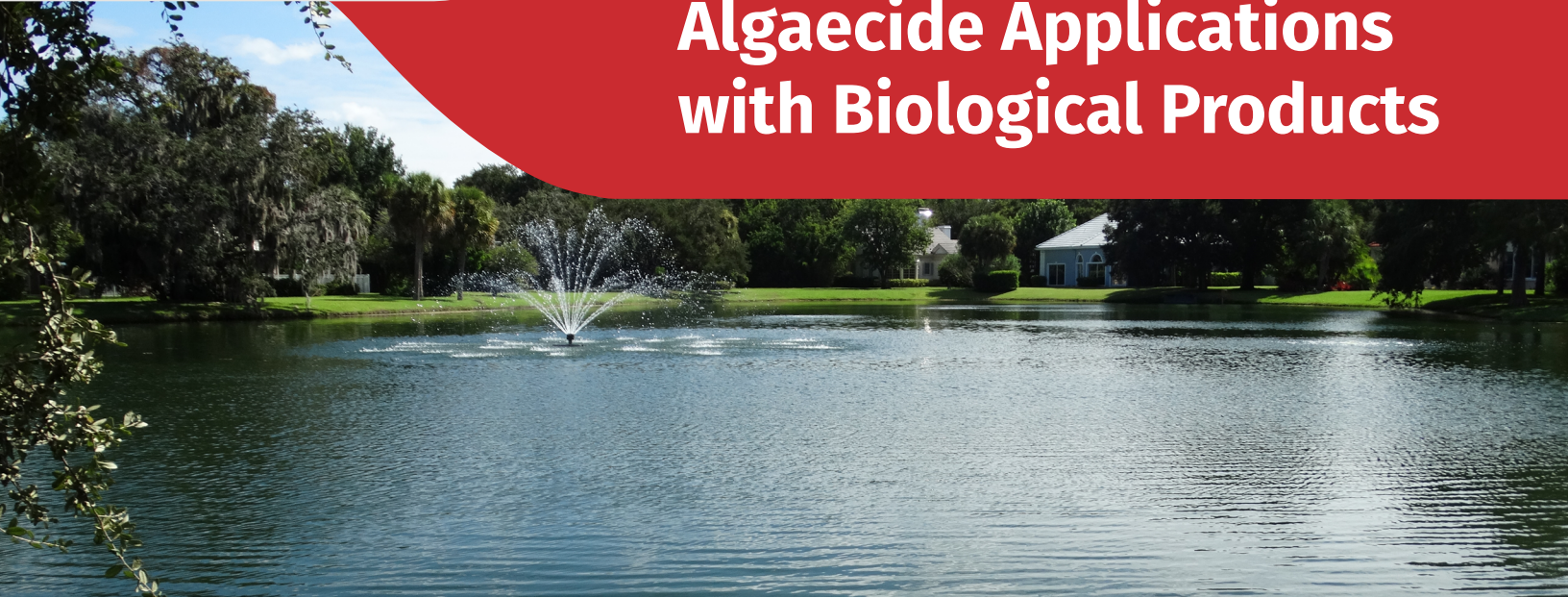
Summer Slam is recommended for use in lakes, ponds, water gardens, reservoirs and similar water bodies. This product is nontoxic and will not harm fish or other aquatic organisms.

## KEY BENEFITS & HIGHLIGHTS

- Dry powder formulation that is easy to apply in premeasured dissolvable packets
- Removes organic particles and reduces nutrients in the water column
- Optimized for biological nutrient removal warm water environments 75 - 120°F (23.9 - 48.9°C).
- Safe for fish and other aquatic organisms



# Optimizing Copper-Based Algaecide Applications with Biological Products



## Dose Rate

ONCE EVERY 2-4 WEEKS

Do not mix directly with algaecides or herbicides. If used in conjunction with algaecides or herbicides, apply Polar Blend after chemical treatments for best results.

## Available Sizes

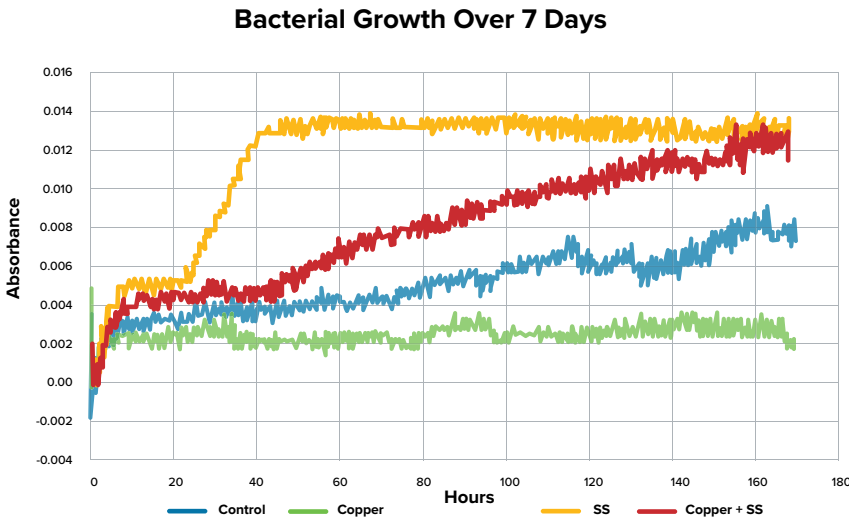
- 10 lb container, ½ lb water soluble packets
- 10 lb container, 1 lb water soluble packets
- 30 lb container, ½ lb water soluble packets
- 30 lb container, 1 lb water soluble packets
- 30 lb container, bulk

Surface Area	Initial Application	Standard Application	Hypereutrophic Water
10,000 sq ft	1 lb	.1-3 lb	1-1.5 lb
1 Surface Acre	3 lb	1-3 lb	3-6 lb

## Background

Certified applicators are well-educated on copper interactions, which is why reducing the amount of copper applied during an application and the frequency of treatments needed to maintain desired lake conditions is a primary management goal. A foundational step in improving water quality involves incorporating biological products (bacterial-based) with or following algaecide treatments.

Applying biological products along with a copper-based algaecide can mitigate the negative impacts on the microbial community within a water body. Additionally, the use of a biological product can enhance bacterial abundance beyond natural growth conditions, even when it is directly mixed with copper in the tank.



Adding biological products can extend the treatment’s effectiveness time by

**300 %  
to  
400%**  
compared to copper alone.

[Read the full study here](#)



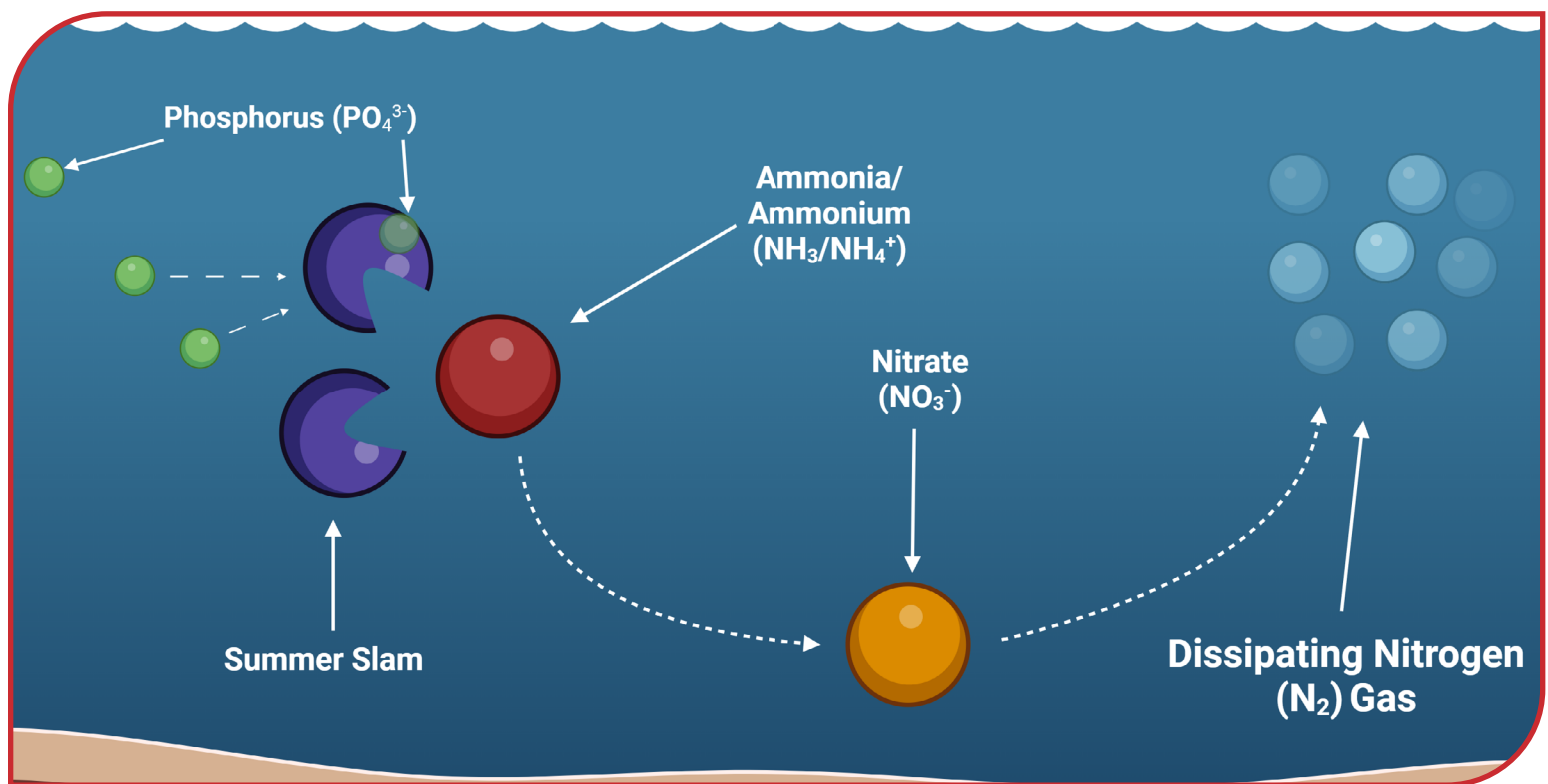
## Professional Tip

Summer Slam (or any Temperature Driven Solution) works best in its listed temperature range. Monitoring water temperatures and applying accordingly will optimize treatments.



# The Science Behind It

Water bodies have stress from both external and internal sources. Excessive rains or drought combined with ongoing use of algaecides and herbicides deplete the microbial communities that are fundamental to nutrient removal in water bodies. This imbalance in the ecosystem leads to elevated nutrient issues and can result in excessive aquatic plant growth, continuing algal blooms, and HABs.



Summer Slam was formulated through years of research by obtaining samples from lakes and ponds across the United States when water temperatures were warmer. The natural microbial communities in the samples were analyzed to understand population densities and the specific organisms that are depleted by stresses. This research is how Natural Lake Biosciences was able to create a probiotic that supplements natural populations and supports indigenous organisms that are functional and native to that geography. Summer Slam is more than simple additions of beneficial bacteria. It is a scientifically formulated probiotic that works in harmony with the microbial communities that play key roles in nitrogen and phosphorus uptake.