

Aquatrols

# Radiance™

*Algicide For Lakes and Ponds*



**See Fish.  
Not Algae.**



**Prevents Algae • Remains in Suspension • Safe for Fish**

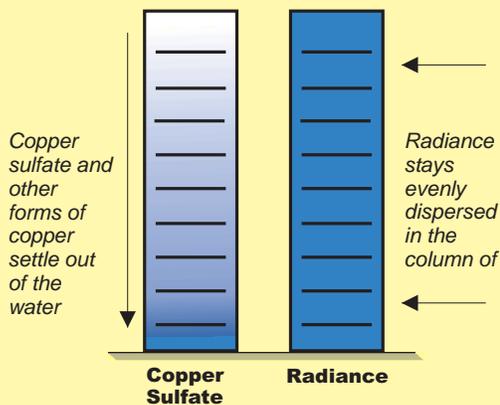
## What Is Radiance?

Radiance is the first algaecide that can give you preventative control of algae blooms in ponds, lakes and fountains. The active ingredient in Radiance is a biologically active form of copper held in a proprietary carrier. Radiance self-disperses from a single application point and remains suspended in the water column. The unique properties of this carrier let Radiance maintain effective concentrations of biologically active copper in suspension throughout the body of water being treated.

## Save Time and Labor

Radiance disperses quickly from a single application point and stays in active suspension throughout the water column, where it destroys offending algae for up to a month. Regardless of the dilution rate, Radiance's active ingredient will always be uniformly distributed. It requires no mixing or agitation, and does not need to be sprayed across the entire surface like other copper-based products. This drastically reduces the time and labor costs spent for each application.

### The Radiance Advantage



Volume In Gallons	Initial Dosage	Maintenance Dosage
1,000	0.1 oz	0.05 oz
5,000	0.6 oz	0.3 oz
10,000	1.3 oz	0.6 oz
25,000	3.2 oz	1.6 oz
50,000	6.4 oz	3.2 oz
100,000	12.8 oz	6.4 oz
500,000	0.5 gal	32.0 oz
750,000	0.8 gal	0.4 gal
1,000,000	1.0 gal	0.5 gal

### Simple Radiance Usage Rates

Calculate the water volume in gallons. Apply initial dose early in spring or before algae appear, followed by the maintenance dosage every two weeks. To calculate the water volume of a lake or pond in gallons, multiply the average length times the average width times the average depth of the pond. Then multiply this number by 7.5 for volume in gallons.

#### Water Volume Calculation

$(\text{average length} \times \text{average width} \times \text{average depth}) \times 7.5 = \text{volume in gallons}$

*Note: 1 acre foot = 326,000 gallons*

## Why Traditional Copper Products Fail

Copper is the oldest recognized algaecide known to man. However, prior to the development of Radiance's proprietary carrier, no product had the ability to maintain copper in solution. The copper, when applied, simply sank to the bottom. While the sinking copper will kill algae it contacts on the way down, it is not an effective way to consistently treat a body of water against algal infestation. With these standard copper products there is the additional threat of copper build-up on the pond floor which can cause additional ecological problems.

Radiance, on the other hand, is able to retain copper in solution over a broad range of conditions (pH, alkalinity, etc.). Its ability to remain in suspension over long periods with mathematically predictable copper levels allows precise control of algae without over-treatment. When Radiance contacts algae in the water column, the algae is killed. The copper complexes with the dead algae, making the copper biologically inactive. While deadly to algae, Radiance is fish-friendly and completely safe for your aquatic environment.



Without Radiance treatment



After treatment with Radiance

Radiance is the only self-dispersing algaecide on the market that prevents algae and protects against reinfestation for up to a full month. Because it requires no special equipment or application practices, having clean lakes all summer long is quick and easy.

	Radiance	Chelated Copper	Copper Sulfate
Prevents Algae Blooms	✓		
Self-Dispersing	✓		
Stays Suspended In Water	✓		
Labor Intensive		✓	✓
Requires Special Equipment		✓	✓



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