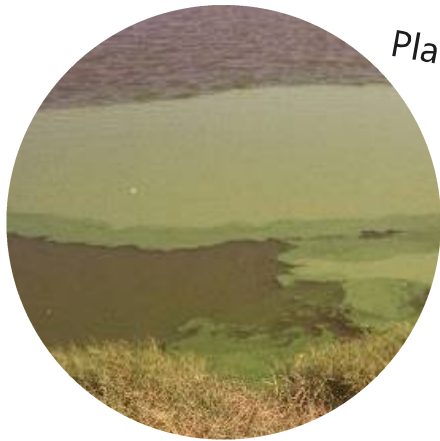


Cupricide

Algal Control

Golf Courses
Council Lakes
Ornamental Lakes
Flood Catchment Dams



Planktonic Algae



Filamentous Algae



Before



After

Cupricide is an effective solution for the control of planktonic and filamentous algae. A solution of chelated-copper and water, Cupricide is absorbed into the algae rapidly and, in this form, provides maximum efficiency as an algicide, with low toxicity to aquatic fauna.

Application Rate: Each specific characteristic of algae determines the concentration of Cupricide dose, with a range of 0.2 – 1.0 mg/L of active Copper (Cu) employed.

Recommended Application: Apply in calm sunny conditions, diluted one (1) part Cupricide to ten (10) parts water and spray with a Solo® Knapsack Sprayer to the water surface.

For further detail, refer to application instructions provided on the product label.



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Solutions for Environmental Management



Application Requirement

Each specific characteristic of algae determines the concentration of Cupricide dose, with a range of 0.2 - 1.0 mg/L active Copper (Cu) employed.

Application	Algae Characteristics	Recommended Copper (Cu) Dose
Irrigation storages Farm dams Ornamental lakes Potable water supplies	Planktonic (Suspended)	0.2 - 0.5 mg/L
	Filamentous (Mat - forming)	0.5 - 1.0 mg/L
	Branched and plant like	0.5 - 1.0 mg/L

Calculating Cupricide Dose Required

Once the algal characteristic has been broadly identified, the volume of water for treatment must be established. A simple calculation can establish a volume, illustrated below:

Length (L) of waterbody: 25.0 m
 Width (W) of waterbody: 20.0 m
 Depth (D) of waterbody/treatment: 2.0 m

$$\begin{aligned} \text{Volume (m}^3\text{) of waterbody} &= L \times W \times D \\ &= 25.0 \times 20.0 \times 2.0 \\ &= 1000 \text{ m}^3 \end{aligned}$$

Note: 1 m³ is equivalent to 1000 L, therefore volume is 1,000,000 L.

Cupricide Addition Rates for Specified Copper (Cu) Concentrations

Water Volume (L)	Dose Rate 0.2 mg/L (Cu)	Dose Rate 0.5 mg/L (Cu)	Dose Rate 1.0 mg/L (Cu)
1,000	2.0mL	5.0mL	10.0mL
5,000	10.0mL	25.0mL	50.0mL
10,000	20.0mL	50.0mL	100.0mL
50,000	100.0mL	250.0mL	500.0mL
100,000	200.0mL	500.0mL	1.0L
500,000	1.0L	2.5L	5.0L
1,000,000	2.0L	5.0L	10.0L
5,000,000	10.0L	25.0L	50.0L
10,000,000	20.0L	50.0L	100.0L

Application

Dilute the calculated volume of Cupricide in water at a 1:10 ratio and spray apply to the water surface.



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