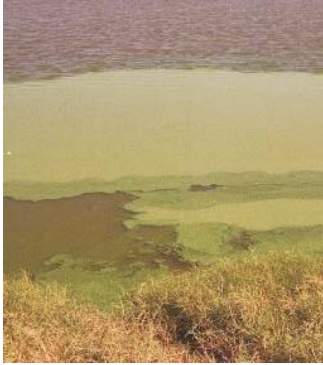


# Kupramine

Aquatic and Algal Weed Control

Golf Courses  
Council Lakes  
Ornamental Lakes  
Flood Catchment Dams



Planktonic Algae



Filamentous Algae



Hydrilla



Elodea



Before



After



Kupramine is an effective solution for the control of planktonic and filamentous algae as well as the fresh water herbs Hydrilla and Elodea. A solution of chelated-copper and water, Kupramine 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 Kupramine dose, with a range of 0.2 – 1.0 mg/L active Copper (Cu) employed.

**Recommended Application:** Apply in calm sunny conditions when water temperature is at least 15°C. Dilute 1 part Kupramine to 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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## Application Requirement

Each specific characteristic of algae determines the concentration of Kupramine 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
	Freshwater herbs ( <i>Hydrilla &amp; Elodea spp.</i> )	0.5 - 1.0 mg/L

## Calculating Kupramine Dose Required

Once the algae/herb 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 m<sup>3</sup> is equivalent to 1000 L, therefore volume is 1,000,000 L.

## Kupramine 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 Kupramine in water at a 1:10 ratio and spray apply to the water surface.



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