

## Herbicides Used Against Hydrilla:

# Chelated Copper (Komeen Crystal)



### What is Chelated Copper?

Chelated copper is a fast-acting, broad-spectrum, contact herbicide that kills a wide range of aquatic plants and algae. It is being applied to Cayuga Lake in the vicinity of Stewart Park in an effort to eradicate Hydrilla. Chelated copper is being evaluated this year to determine if it can be effective in removing small isolated populations of hydrilla.

Chelated copper is applied below the surface of the water by licensed herbicide applicators. Copper chelates are broken down by hydrolysis (i.e., chemical breakdown of a compound due to reaction with water) with a half-life reported from 2-8 days. Half-life refers to the time it takes for 50% of the chemical to degrade or break down. Because copper is an element, it settles into the sediments.



Chelated copper will be applied at 1 ppm, consistent with the product label.

### What Restrictions will be in Place?

- There are no restrictions on fishing or swimming.
- The application of chelated copper (Komeen Crystal) will be below the threshold (> 200 ppb) for requiring any restrictions for use as potable water.



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