

Chelated Copper

Chelated Copper is a fast-acting, systemic herbicide. Some formulations of chelated copper are designed to control certain submersed, vascular plants that are copper-sensitive. Other formulations of chelated copper are algaecides that effectively control most filamentous algae as well as macro algae (*Chara* and *Nitella*). The addition of a surfactant or penetrant will increase the control of coarse filamentous algae. A granular form of the chelated copper algaecide is also available for situations where liquid application is difficult. Chelated copper algaecides can also kill planktonic algae and should be applied cautiously in waters with a dense plankton bloom. Both formulations are often combined to control vascular plants that are covered in filamentous algae. Some formulations of chelated copper can be toxic to fish in very low alkalinity water or ineffective in very high alkalinity water. Always refer to the product label for correct application instructions and precautions. The percentage of active ingredient located on the front of the label should be considered when comparing product brands. Product manufacturers can be contacted for more technical information or to find a local distributor. Below is a list of popular brands of chelated copper that are approved for aquatic use:

Brand Name	Form	Notes	Manufacturer	Contact Number	Email
Citrine - Plus	Liq or Gran	Algaecide	Applied Biochemists	1-800-558-5106	www.appliedbiochemists.com
Algimycin	Liquid	Algaecide (high alkalinity)	Applied Biochemists	1-800-558-5106	www.appliedbiochemists.com
Captain	Liquid	Algaecide	SePRO	1-800-419-7779	www.sepro.com
Clearigate	Liquid	Algaecide and Vascular Plants (with surfactant)	Applied Biochemists	1-800-558-5106	www.appliedbiochemists.com
Current	Liquid	Vascular Plants	Phoenix	1-888-240-8856	www.phoenixenvcare.com
Citrine - Ultra	Liquid	Algaecide (with surfactant)	Applied Biochemists	1-800-558-5106	www.appliedbiochemists.com
Harpoon	Liquid	Vascular Plants	Applied Biochemists	1-800-558-5106	www.appliedbiochemists.com
Komeen	Liquid	Vascular Plants	SePRO	1-800-419-7779	www.sepro.com
K-Tea	Liquid	Algaecide	SePRO	1-800-419-7779	www.sepro.com
Nautique	Liquid	Vascular Plants	SePRO	1-800-419-7779	www.sepro.com
Symmetry	Liquid	Algaecide	Phoenix	1-888-240-8856	www.phoenixenvcare.com

Below is a list of potentially problematic plants observed in your pond on _____ that can be controlled with chelated copper:

<u>Plant Name</u>	<u>Description</u>
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Additional Recommendations