

JUN 30 1988

Agrol Chemical Products  
c/o Linda Elliott  
Pesticide Development Services  
Route 1, Box 1228  
Mehira, GA 31632

Gentlemen:

Subject: Amendment - Revised Labeling  
Algae-Rhap Cu-7 Liquid Copper Algacide  
EPA Registration No. 55146-42  
Your Submission Dated June 18, 1988

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable provided you:

1. Make the labeling changes below before releasing the product for shipment bearing amended labeling.
  - a. Under Environmental Hazards add:  
  
Do not apply directly to water except as specified on labeling.
  - b. Modify "Wastes resulting from use of this product may be disposed of on site . . ." to read "Wastes resulting from use of this product must be disposed of according to applicable Federal, State, or local procedures."

51031;L;Mountfort;MP-8;KEMCO;6/28/88;7/7/88;rw;VO;EK;CB

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

2. Submit one (1) copy of final printed labeling incorporating the above changes.

A stamped copy of labeling is enclosed for your records.

Sincerely yours,

Richard F. Mountfort *RFM*  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (767C)

Enclosure

AGTROL CHEMICAL PRODUCTS  
7324 Southwest Freeway, Suite 1800  
Houston, Texas 77074

FRONT LABEL

ALGAE-RHAP<sup>®</sup>  
CU-7

LIQUID COPPER ALGAEICIDE

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUN 30 1988

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
55146-42

CAUTION

KEEP OUT OF REACH OF CHILDREN

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS  
AND STATEMENT OF PRACTICAL TREATMENT

ACTIVE INGREDIENTS

Copper (From Copper Triethanolamine Complex) expressed as metallic.....	7.0%
INERT INGREDIENTS.....	93.0%
TOTAL.....	100.0%

ALGAE-RHAP CU-7 contains 0.74 lbs. of elemental copper per gallon ✓

Net Contents: 30 Gallons

EPA Reg. No. 55146-42

EPA Est. No.

(Note: No Changes from 1975 Edition)

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

GENERAL INFORMATION

ALGAE-RHAP CU-7, under field conditions, has shown to be effective in controlling a broad range of algae. Especially effective results have been obtained against Chara, Cladophora, Microcystis, Oscillatoris, Spirogyra, Ulothrix and Vaucheria. The triethanolamine in this product prevents the precipitation of the copper with carbonates and bicarbonates in the water.

ALGAE-RHAP CU-7 Is Used:

INDIVIDUAL -

Potable Water Reservoirs - Fish Ponds - Lakes - Swimming Pools

AGRICULTURAL -

Farm Ponds - Irrigation Water Storage and Supply Systems

INDUSTRIAL -

Fish Hatcheries - Fire Ponds

DIRECTIONS FOR USE

IRRIGATION WATER STORAGE AND SUPPLY SYSTEMS; POTABLE WATER RESERVOIRS; FARM, FISH, AND FIRE PONDS; LAKE AND FISH HATCHERIES

Apply as a surface spray using the amounts of product shown in the application chart.

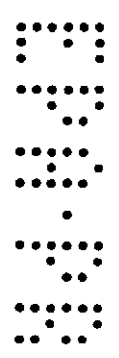
Before applying the concentrated liquid product, dilute with at least nine parts of water. Use hand or power sprayer for best distribution of the diluted product solution. Break up floating algae mats before spraying.

Apply when algae growth first becomes visible and water temperature is above 60 degrees F.

Treatment of algae can result in oxygen loss from decomposition of dead algae. This loss can cause fish suffocation. Therefore, to minimize this hazard, treat 1/3 to 1/2 of the water area in a single operation and wait at least 10 to 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult your State Fish and Game Agency before applying this product to public waters.

Dosage rates for application of ALGAE-RHAP CU-7 are given in gallons per acre foot of water.

The most effective algae control is obtained under calm and sunny conditions. Free floating algae such as Microcystis, Oscillatoria, Anabaena and Aphenizomenon are controlled with 3/4 gallons of ALGAE-RHAP CU-7 per acre foot of water.



BEST AVAILABLE COPY

**APPLICATION CHART**

Average Water Depth	To Obtain 3/4 Gallon Per Acre Foot	To Obtain 1.5 Gallon Per Acre Foot
	0.2 ppm Cu (Algae)	0.4 ppm Cu (Chara)
3 inches	1 1/2 pints	-----
4 inches	2 pints	-----
5 inches	2 1/2 pints	-----
6 inches	3 pints	-----
7 inches	3 1/2 pints	-----
inches	4 pints	-----
1 foot	3/4 gallon	1 1/2 gallons
2 feet	1 1/2 gallons	3 gallons
3 feet	2 1/4 gallons	4 1/2 gallons

**SWIMMING POOLS**

Check the dilution chart below to determine the amount of ALGAE-RHAP CU-7 to use for your pool. To a freshly filled pool, or at first visible signs of algae growth, pour the required amount of ALGAE-RHAP CU-7 into a plastic watering can and sprinkle the diluted product around the edge of the pool. The treated water may be used immediately.

NOTE: This product is alaestatic rather than algaecidal to some Black Algae. Recommended rates will prevent formation of Black Algae. If Black Algae are already established triple the initial dose.

**DILUTION CHART FOR SWIMMING POOLS**

Swimming Pool Capacity Gallons of Water	Initial Treatment	Treatment Once Every Two Weeks
5,000	2 ounces	1 ounce
10,000	4 ounces	2 ounces
20,000	8 ounces	4 ounces
30,000	12 ounces	6 ounces
40,000	16 ounces	8 ounces
50,000	20 ounces	10 ounces

**HOW TO ESTIMATE GALLON CAPACITY OF YOUR POOL**

Measure length (L), Width (W), and average Depth (D) in feet.  
 For Square or Rectangular Pools:  $L \times W \times D \times 7.5$  equals gallons  
 For Circular or Elliptical Pools:  $L \times W \times D \times 5.9$  equals gallons

BACK LABEL

ALGAE-RHAP CU-7 LIQUID COPPER ALGAECIDE

PRECAUTIONARY STATEMENTS ✓  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION

Harmful if swallowed. Avoid contact with skin, eyes and clothing. May cause skin sensitization in certain individuals. Wash thoroughly with soap and water after handling. Do not apply this product in a manner as to directly or through drift expose workers or other persons.

STATEMENT OF PRACTICAL TREATMENT ✓

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 to 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS ✓

This product may be toxic to fish. Trout and other species of fish may be killed at application rates recommended on this label. However, fish toxicity generally decreases when the hardness of the water increases. Consult State Fish and Game Agency before applying this product to public waters.

*no toxicity to water except as specified on label*

POTABLE WATER - DO NOT allow water containing in excess of 1 ppm copper derived from ALGAE-RHAP to flow into any water to be used as potable water.

FISH - This product may be toxic to trout and other species of fish. Fish toxicity is dependent upon the hardness of water... DO NOT use this product in water containing susceptible fish species if the carbonate hardness of the water does not exceed 50 ppm.

DO NOT apply ALGAE-RHAP CU-7 directly to any crop plants, grass or ornamental plants as injury may result. Wash spray equipment after each application. DO NOT reuse container. Destroy when empty.

**BEST AVAILABLE COPY**

7 of 7  
Wastes must be disposed of at an approved

### STORAGE AND DISPOSAL ✓

Do not contaminate water, food or feed by storage and disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rise (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### WARRANTY

AGTROL CHEMICAL PRODUCTS warrants that this product conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this Algaecide is reasonably fit for its intended purpose. Since timing, method of application, weather, plant and soil conditions, mixture with other chemicals and other factors affecting the use of this product are beyond are control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonable foreseeable. The user assumes all risks of any such use.

