

55146-42

7/26/2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7504P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg. Number:  
55146-42

Date of Issuance:  
JUL 26 2010

NOTICE OF PESTICIDE:

     Registration  
  X   Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:  
Algae-Rhap Cu-7

Name and Address of Registrant (include ZIP Code):

Nufarm Americas Inc.  
150 Harvester Drive  
Burr Ridge, IL 60527

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA provided that you:

- 1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.

Signature of Approving Official:

Tony Kish  
Product Manager 22  
Fungicide Branch  
Registration Division (7504P)

Date:

JUL 26 2010

2) To the ingredients sections change "copper as elemental" to "copper sulfate pentahydrate", Cas # 7758-99-8, and 27.65%. Change other ingredients % to 72.35%. Add "this product contains 7% metallic copper" after "this product contains 0.73 lbs. of elemental copper per gallon".

3) Per the acute toxicity review, the signal word currently on the label "CAUTION" must be revised to read "WARNING." The Spanish signal word "PRECAUCION" must be deleted from the label.

4) Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to read:

"WARNING

May be fatal if inhaled. Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Do not breathe vapor or spray mist. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals."

5) Per the RED and the acute toxicity review, the PPE section must be revised to read:

"Mixers, loaders, applicators and other handlers must wear:

Long-sleeved shirt and long pants,

Shoes and socks,

Chemical-resistant gloves made of any waterproof material, and

A dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter."

6) Per the RED, the following User Safety Requirements text must be added to the label of this occupational use product:

"Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them."

7) Per the RED, User Safety Recommendations must be added to the label of this occupational use product:

"User Safety Recommendations

User should wash hands before, eating, drinking, chewing gum, tobacco, or using the toilet.

User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing.”

8) Per the Copper RED revised label table, the Environmental Hazards text currently on the label must be revised to read:

“For terrestrial use

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

For Aquatic use

This pesticide is toxic to fish and aquatic invertebrates. Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 1/2 of the water body to avoid depletion of oxygen due to decaying vegetation. 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 with the State or local agency with primary responsibility for regulating pesticides before applying to public waters, to determine if a permit is required.

Certain water conditions including low pH ( $\leq 6.5$ ), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and “soft” waters (i.e., alkalinity less than 50 mg/L), increases the potential acute toxicity to non-target aquatic organisms.”

9) Per the product chemistry review, revisions are needed to the storage and disposal section of the label.

10) Per the revised RED label table, spray drift text must be added to the label and read:

“Spray Drift Management

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and the method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Droplet Size**

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

**Wind Speed**

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition (approximately 3 to 10 mph), and there are no sensitive areas within 250 feet downwind.

**Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

**Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed.

**Equipment**

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

**For aerial application:**

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

**For groundboom application:**

Do not apply with a nozzle height greater than 4 feet above the treatment site."

11) The following text must be added to the label:

"Do not apply this product in a way that will contact workers or other persons, either directly or

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through drift. Only protected handlers may be in the area during application.”

12) Because this product may be used to treat water in “potable water reservoirs,” the following text must be added to the label and any conflicting text must be deleted

“For applications in waters destined for use as drinking water, those waters must receive additional and separate potable water treatment. Do not apply more than 1.0 ppm as metallic copper in these waters.”

13) On page 2, change “general information” to “product information”.

14) On page 4, change “recommended rate” to “directed rate”.

A stamped copy of the label is enclosed for your records. You must submit one copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this letter or the next round of printing must bear the new revised label. If these EPA conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA. Your release for shipment of the product constitutes acceptance of these EPA Reg. conditions. This label supersedes all other previously accepted labels. If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

Enclosure: Product Chemistry Review  
Acute Toxicology Review

60413

# ALGAE-RHAP<sup>®</sup> CU-7

## LIQUID COPPER ALGAECIDE

Use in slow moving or quiescent bodies of water including: golf course, ornamental, fish, irrigation and fire ponds; fresh water lakes and fish hatcheries; potable water reservoirs and associated waters (rivers, streams, bays and coves); and crop and noncrop irrigation conveyance systems (canals, laterals and ditches).

Areas treated with this product may be used for fishing, swimming, drinking, watering livestock and irrigating crops, turf, putting greens, fairways and ornamental plants immediately after treatment.

**ACTIVE INGREDIENT:**

Copper as elemental* (CAS No 83-73-8) .....	7.0%
<b>OTHER INGREDIENTS</b> .....	<b>93.0%</b>
<b>TOTAL:</b> .....	<b>100.0%</b>

\*From copper-triethanolamine complex.

This product contains 0.73 lbs. of elemental copper per gallon

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION – PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

**SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300  
For Medical Emergencies Only, Call (877) 325-1840

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**JUL 26 2010**

EPA REG. NO. 55146-42  
EPA EST. NO.

NET CONTENTS: 2-1/2 GALLONS

55146-00042.20081125.EPARED.

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

55146-42

MANUFACTURED FOR  
NUFARM AMERICAS INC., AGT DIVISION  
150 HARVESTER DRIVE  
BURR RIDGE, IL 60527



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION – PRECAUCION**

Harmful if swallowed. Avoid contact with skin, eyes and clothing. 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.

<b>FIRST AID</b>	
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	

**ENVIRONMENTAL HAZARDS**

Waters treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard do not treat more than 1/2 of the water body to avoid depletion of oxygen due to decaying vegetation. 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 with the State or local agency with primary responsibility for regulating pesticides before applying to public waters, to determine if a permit is required.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.

**GENERAL INFORMATION**

This product is an algaecide that provides effective control of various filamentous, planktonic and branched algae which can occur in slow moving or quiescent bodies of water including: golf course, ornamental, fish, irrigation and fire ponds; fresh water lakes and fish hatcheries; potable water reservoirs and associated waters (rivers, streams, bays and coves); and crop and noncrop irrigation conveyance systems (canals, laterals and ditches). This product is most effective when applied at the first signs of algal bloom. ALGAE-RHAP® CU-7 treated water may be used to irrigate crops, turf, fairways, putting greens and ornamental plants immediately after treatment. This product may be applied by aircraft, ground sprayer or spray boat as a direct surface spray or direct subsurface application through weighted hoses, invert emulsions or polymer application as appropriate.

This product may be used in combination with Diquat®, Komeen® or Sonar for more effective control of Hydrilla verticillata and other vascular weeds, and may also be combined with other herbicides to improve weed control by killing algae which cover aquatic weeds and interfere with herbicide uptake.

**NOTE:** Undiluted ALGAE-RHAP® CU-7 or concentrations above 1.0 ppm Cu++ may be injurious to crops, grass, ornamentals and other foliage. Do not apply in such a way that the concentrated product comes in contact with crops, ornamentals, grass or desirable plants. Apply only as specified on the label.

**ALGAE CONTROL**

Free floating algae (planktonic), such as Anabaena, Aphanizomenon, Chlorella, Dictyosphaerium, Euglena, and Microcystis are controlled using 0.2 to 0.5 ppm metallic copper depending upon severity of growth.

Filamentous algae (mat-forming) such as, Cladophora, Hydrodictyon, Oedogonium and Spirogyra require 0.5 to 1.0 ppm metallic copper depending on growth and intensity. Chara and Phormidium are difficult to control unless treatment at 0.5 to 1.0 ppm metallic copper is initiated at the first signs of algal bloom.

**FOR BEST RESULTS WITH ALGAE-RHAP® CU-7:** Apply this product early in the day when conditions are calm, Water temperature should be at least 60°F. Treat when algae first appear. Even distribution of this product in the water will improve algae control; therefore, apply in a manner that distributes it throughout the treated area.

**COPPER LEVELS REQUIRED FOR CONTROL OF DIFFERENT GENERA OF ALGAE**

<u>ORGANISM</u>	<u>0.2 - 0.5 PPM COPPER</u>		<u>0.5 - 1.0 PPM COPPER</u>	
Cyanophyceae (Blue-Green)	Anabaena Aphanizomenon Cylindrospermum Gloeotrichin Gomphosphaeria	Microcystis Oscillatoria Plectonema Polycystis	Calothrix Nostoc	Phormidium Symploca
Chlorophyceae (Green)	Botryococcus Closterium Coelastrum Draparnaldia Enteromorpha Gloecystis	Hydrodictyon Microspora Spirogyra Tribonema Ulothrix Zygnema	Ankistrodesmus Chara Chlorella Cladophora Crucigenia Desmidium Golenkinis	Nitella Oocystis Palmia Pithophora Scenedesmus Staurastrum Tetraedron
Disomaceae (Diatoms)	Asterionella Fragilaria Gomphonema Melosira Navicula	Nitzschia Stephanodiscus Synedra Tabellaria	Achnanthes Cymbella Neidium	
Protozoa (Flagellates)	Ceratium Cryptomonas Dinobryon Euglena Glenodinium	Mallomonas Synura Uroglena Volvox	Chlamydomonas Curdiorina Hawinstococcus	Pandorina Peridimina

The genera of algae listed above are commonly found in water of the United States. Use the lower application rate in soft water (less than 50 ppm alkalinity) and the higher concentration in hard water (above 50 ppm alkalinity). Always consult your State Fish and Game Agency or other responsible agency before applying this product to public waters.

**DIRECT SURFACE SPRAY**

Begin treatment at the first signs of algae. If desired, dilute one volume of this product with 10 to 20 volumes of water before application. Spray diluted mixture from shore or boat evenly across surface of water at rates to achieve a particular copper concentration according to the label below. To ensure best results, remove large mats of floating algae manually before treatment. A second application 1 to 2 weeks after the first may be necessary for heavily infested areas. For most effective algae control, maintain the desired copper concentration for a minimum of three hours. Rates given below represent concentrations for quiescent or slow moving water. If water flow results in significant dilution of the treated water within three hours of application it may be necessary to meter this product into the water. (Refer to instructions for Drip System Application below.)



**Application Rates for Quiescent or Slow Moving Water**

Amount of ALGAE-RHAP® CU-7 per acre to achieve the desired copper content

Depth of Water	0.2 ppm Cu	0.5 ppm Cu	1.0 ppm Cu
Pints of ALGAE-RHAP® CU-7			
3 inches	1.49	3.72	7.44
4 inches	1.98	4.96	9.92
5 inches	2.48	6.20	12.40
6 inches	2.98	7.44	14.88
7 inches	3.47	8.68	17.36
8 inches	3.97	9.92	19.84
1 foot	5.95	14.88	29.76
2 feet	11.9	29.76	59.52
3 feet	17.86	44.64	89.28

**SUMMER APPLICATION** (stratified lakes) - When the average depth exceeds 4 feet and the lake is known to be stratified, it is necessary to treat only the upper 6 feet of water.

**SPRING/FALL APPLICATION** (unstratified lakes) - Treat the entire body of water, remembering to treat 1/3 to 1/2 of the surface area at a time to reduce the possibility of adverse effects on the fish population.

**DIRECT SUBSURFACE APPLICATION**

In deeper water, make a subsurface application of this product at specified rates through weighted trailing hoses where the greatest concentration of algae is present. Do not drag hoses on the bottom.

**POLYMER APPLICATION**

A polymer may be added to this product or an ALGAE-RHAP® CU-7/water premix to improve sinking, deposition and retention of the spray. Consult the manufacturer's recommendations regarding the use of a polymer for improved algae control.

**INVERT EMULSIONS**

This product may be subsurface applied alone or in combination with other herbicides, including Diquat (see below), by injecting the products in an invert emulsion carrier. Invert applications should be made through weighted hoses drug below the surface of the water. Refer to all cautions and precautions of products used with this product.

**AIRCRAFT APPLICATION**

Apply the recommended rate of this product in 20 gallons of total spray solution per surface acre. Add the specified rates of a drift control or sinking agent to the spray solution. Maintain constant agitation during addition of the polymer and continue through application. When treating moving water, apply the spray solution counter to the flow of water.

**DRIP SYSTEM APPLICATION**

**FOR USE IN IRRIGATION CONVEYANCE SYSTEMS AND OTHER MOVING WATER**

For best results, application should be made in anticipation of algae that may interfere with normal flow or delivery of water (obstruction of lateral headgates, screens, pumps, pumping systems and siphon tubes). Delayed treatment may result in matting or compaction of algae mats. Since low flow rates may result in poor chemical distribution and unsatisfactory algae control, it may be necessary to increase water flow rates during treatment.

Determine the water flow rate prior to treatment of the water system. If available, use weirs, orifices or similar devices which give accurate water flow measurements. If these devices are not available, volume of flow may be estimated by the following formula:

$$\text{Average Width (ft)} \times \text{Average Depth (ft)} \times \text{Velocity (ft/second)} \times 0.9 = \text{Cubic Feet per Second (C.F.S.)}$$

To determine velocity, measure the time it takes a floating object in the middle of the canal to travel a given distance. Divide the distance (feet) by the time (seconds) for velocity (feet/second). Repeat this procedure at least three times and then calculate the average velocity. Use the average velocity (feet/second) in the formula above to determine the flow rate (C.F.S.).

Once the water flow rate (C.F.S.) or Gallons per Minute) has been calculated, find the corresponding drip rate for this product on the chart below:

Water Flow Rate		ALGAE-RHAP® CU-7 Drip Rate		
C.F.S.	Gallons/Minute	Quarts/Hour	Milliliters/Minute	Fluid Ounces/Minute
1	499	1.23	19.41	0.68
2	899	2.46	38.83	1.36
3	1348	3.69	58.24	2.04
4	1798	4.92	77.66	2.72
5	2247	6.15	97.07	3.40

**Determining Amount of ALGAE-RHAP® CU-7:** To calculate the amount of this product needed to maintain the drip rate for 3 hours, calculate as follows: QTS/HR X 3; or ML/MIN X 180; or FL OZ/MIN X 180. Applying the dosages given above will maintain 1 ppm Cu for three hours. Thorough mixing is necessary to uniformly disperse this product in the water; therefore, apply ALGAE-RHAP® CU-7 in the channel at weirs or other structures which create turbulence or at several injection points across the flow.

**Calibrating For Drip Application (Gravity Feed):** Pour the amount of this product needed to treat for three hours (calculated above) into a drum or tank equipped with a brass needle valve and designed to maintain a constant drip rate. Using a stopwatch, measure the volume of this product in a graduated container (measuring cup, graduated cylinder, etc.). Adjust the needle valve so that this product is dripping at the rate given in the table above.

**NOTE:** If the flow rate changes during the 3-hour treatment period, it may be necessary to readjust the needle valve. If power is available, a small pump can be used to meter this product into the water more accurately.

Distance of algae control from the application point will vary with severity of infestation. Repeat application at a point 3 hours downstream from the previous treatment station. Repeat as necessary to treat entire infested area. It may be necessary to periodically repeat treatments to maintain seasonal control.

### HYDRILLA VERTICILLATA CONTROL

Tank-mix this product with Diquat to kill algae which cover Hydrilla verticillate and interfere with herbicide uptake. Observe all cautions and limitations on the Diquat, Komeen and Sonar labels.

#### ALGAE-RHAP® CU-7 + KOMEEN TANK-MIX

Apply 1.7 to 3.4 gallons of this product per acre-foot of water plus 3.34 gallons of Komeen per acre-foot of water when water temperature is above 60°F. Use the low rate of this product for light algae infestations or easy-to-control species. Use the high rate of this product for heavy algae infestations or difficult-to-control species. Apply using an application method, which provides uniform coverage of the treated area and delivers the spray solution to the plant surface.

#### ALGAE-RHAP® CU-7 + DIQUAT TANK-MIX

Apply 3.72 gallons of this product plus 2 gallons of Diquat per surface acre in bright sunlight when water is above 60°F.

**Surface Application:** Apply by handgun, spray boat, aircraft or other method of application, which provides uniform coverage of the treated area. Combine this product and Diquat with water in a mix tank or use an injection system to make approximately 100 gallons for each surface acre treated. When using a spray boat, apply the mixture through hoses, which are dragged as close to the bottom as possible. For best results, do not drag hoses on the bottom. Complete effect of the treatment will be observed in 8 to 12 weeks. In heavily infested areas, a second application after 12 weeks may be necessary.

**Subsurface Application:** Use a boom with trailing hoses fitted with Delavan or Spraying System 80-degree nozzle tips with 06 orifices, or a similar nozzle. Hoses 18 to 24 inches long will apply the material 3 to 6 inches below the water surface. Apply from the bow or stern of the boat in strips no more than 20 feet apart.

**Bottom Placement:** Infirm, sandy-bottomed lakes where water is quiescent or slowly moving and Hydrilla has reached the surface, apply in a water carrier injecting the diluted ALGAE-RHAP® CU-7 plus Diquat mixture 1 to 2 feet above the bottom using weighted trailing hoses. If suspended silt, muddy water, or where water is slowly moving through submersed growth, apply in an invert emulsion carrier injecting this product plus Diquat mixture in an invert emulsion carrier 1 to 2 feet above the bottom using weighted trailing hoses.

**ALGAE-RHAP® CU-7 + SONAR TANK MIX**

Apply 2 to 5 gallons of this product plus the recommended rate of Sonar A.S. per acre. Refer to the Sonar label for appropriate rate recommendations. This combination may be applied as a tank mix or metered with appropriate application equipment.

**FISH NOTE**

This product may be toxic to Trout and other species of fish. Fish toxicity generally decreases when the hardness of the water increases.

**SWIMMING POOLS**

**NOTE:** Undiluted product or concentrations above 1.0 ppm Cu++ may be injurious to crops, grass, ornamentals and other foliage. Do not apply in such a way that the concentrated product comes in contact with crops, ornamentals, grass or desirable plants. Apply only as specified on the label.

Dilute this product with at least nine parts of water and sprinkle around edge of pool. Add additional amounts of this product every two weeks according to directions on the chart.

**NOTE:** This product is algestatic rather than algacidal to some Black Algae. Specified rates will prevent formation of Black Algae. If Black Algae are already established triple the initial dose. For best results begin pool maintenance with this product when the pool is first filled with water. Add this product according to the size of pool as given in the chart.

**DILUTION CHART FOR SWIMMING POOLS**

Swimming Pool Capacity Gallons of Water	Initial Treatment ALGAE-RHAP® CU-7	Treatment Once Every Two Weeks ALGAE-RHAP® CU-7
5,000	2 to 5 ounces	1 to 2.5 ounces
10,000	3.5 to 10 ounces	2 to 5 ounces
20,000	7 to 20 ounces	3.5 to 10 ounces
30,000	10.5 to 30 ounces	5.5 to 15 ounces
40,000	14 to 40 ounces	7 to 20 ounces
50,000	17.5 to 50 ounces	9 to 25 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 x W x D x 7.5 = Gallons. For Circular or Elliptical Pools: L x W x D x 5.9 = Gallons.

**STORAGE AND DISPOSAL**

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** Store in cool, dry place.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage and disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office.

**CONTAINER DISPOSAL:**

**Nonrefillable Containers 5 Gallons or Less:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

**Nonrefillable containers larger than 5 gallons:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container

on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Refillable containers larger than 5 gallons:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Or

**Refillable Container:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Close all openings and replace all caps. Contact Nufarm's Customer Service Department at 1-800-345-3330 to arrange for return of the empty refillable container.

**WARRANTY DISCLAIMER**

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