FORMULA F-30

ALGAE CONTROL


FOR USE IN: FIRE PONDS, RESERVOIRS, LAKES AND PONDS

ACTIVE INGREDIENT:
Copper Sulfate Pentahydrate* .................................. 10.9%
CAS No. 7758-99-8

OTHER INGREDIENTS: ............................................. 89.1%

TOTAL: ................................................................. 100.0%

*Metallic Copper Equivalent: 2.7%

KEEP OUT OF REACH OF CHILDREN

CAUTION: See other cautions on side panel

NET CONTENTS: □ 1 GALLON

Diversified Waterscapes, Inc.
LAGUNA NIGUEL, CA 92677
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing.

FIRST AID
IF SWALLOWED: - Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- DO NOT induce vomiting. UNLESS told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF IN EYES: - Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye(s).
- Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: - Remove all contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
- Mixers, loaders and applicators must wear the following: Long-sleeved shirt, long pants, and hats and socks.
- Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washable PPE is available, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that may be drenched or heavily contaminated.

USER SAFETY RECOMMENDATIONS
- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove clothing/PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish and aquatic invertebrates. Water treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen depletion from decomposition of dead algae and weeds. The oxygen loss can cause fish and invertebrates suffocation. To minimize the hazard, do not treat more than 1% 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 fisheries 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 (<6.5), low dissolved organic carbon (DOC) levels (<3.0 mg/l), and low water temperatures (i.e., alkalinity less than 50 mg/l), increases the potential toxicity to non-target aquatic organisms.

NOTE: Trout, koi and other species of fish may be killed at application rates recommended on this label. However, fish will generally decrease when the hardness of the water increases. Consult your state fish and game agency before applying this product to public waters.

PRODUCT INFORMATION
Formula F-30, when properly applied, will control a broad spectrum of algae. Especially effective results have been obtained against spirotetra, cladophora, vaucheria, chara, microcystis, and others.

If treated water is to be used as a source of water for human consumption, the metallic copper residue must not exceed 1 part per million (ppm).

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 workers or other persons, either directly or thought drift. Only protected handlers are in the area during application.

The manufacturer recommends a maximum application rate of 0.2 ppm at 1.5 gals per acre.

The minimum retreatment interval is 14 days. No more than ½ of the water body may be treated at one time.

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, airlift, 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 coarse spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spaying atomizers.

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

TEMPERATURE INVERSIONS: If applying at wind speeds less than 3 mph, the applicator must determine if the temperature conditions of the target area are such that 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 regulations regardless of 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 approved sprayers or sprayer 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 downhill. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upward.

FOR GROUND/ROOM APPLICATION: Do not apply with a nozzle height greater than 4 feet above the crop canopy.

SURFACE SPRAY / INJECTION ALGAECEIDE APPLICATION
For effective control, proper chemical concentration should be maintained for a minimum of three hours contact time. The application rates in the chart are based on static or minimal flow situation. When significant turbulence or flow from an agitated water source is involved, the maximum concentration value (mg/L) within a three hour period, F-30 may have to be metered in.

- Identify the algae growth present as one of the following types: Planctonic (suspended), filamentous (mat-forming), or Chara/Nettile.
- Determine the surface acreage (1 acre = 43,560 sq ft) and average depth of infected area.
- Refer to the chart to determine gallons of Formula F-30 to apply per surface acre.

HOW TO APPLY FORMULA F-30
Formula F-30 may be diluted with 5 parts water to 1 part formula F-30 and sprayed from a hose. Another effective method is to evenly distribute the product from the back of a moving boat. Generally, 1 gallon of Formula F-30 will treat about 200,000 gallons (1 acre foot) of water to 0.1 ppm metallic copper equivalent. Apply Formula F-30 when algae growth first appears and the temperature of the water to be treated exceeds 65°F.

HOW TO ESTIMATE GALLONS OF WATER / ACRE FEET
Measure Length (L), Width (W) and average Depth (D) in feet. Rectangular or Square shaped bodies of water: L x W x D = 0.5 x approx. gallons. Total gallons divided by 325,851.6 (gallons per acre = Feet)

DOSAGE TABLE

<table>
<thead>
<tr>
<th>GAL. Formula Per</th>
<th>PPM Copper Sulfate</th>
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</thead>
<tbody>
<tr>
<td>Acre-foot Water</td>
<td>Per Acrefoot Water</td>
</tr>
<tr>
<td>0.5 gal.</td>
<td>= 0.2</td>
</tr>
<tr>
<td>1.0 gal.</td>
<td>= 0.4</td>
</tr>
<tr>
<td>2.0 gal.</td>
<td>= 0.8</td>
</tr>
<tr>
<td>4.0 gal.</td>
<td>= 1.6</td>
</tr>
</tbody>
</table>

During periods of heavy algae growth repeat application may be needed. If algae is still present after two weeks, repeat the application as directed.

DRIP SYSTEM APPLICATION
FOR USE IN POTABLE WATER AND IRRIGATION CONVEYANCE SYSTEMS
- Formula F-30 should be applied as soon as algae or hydra begins to interfere noticeably with normal delivery of water (clogging of lateral heads, suction screens, weed screens, and siphon valves.) Delaying treatment could perpetuate a problem causing lasting damage to the compacting of plants. Heavy infestations and low flow may cause poor chemical distribution resulting in unsatisfactory control. Under these conditions, increasing water flow rate during irrigation may be necessary for uniform application.
- Prior to treatment it is important to accurately determine water flow rates in the absence of vents, orifices, or similar devices which give accurate water flow measurements; volume of flow may be estimated by the following formula.

Average Width (W) x Average Depth (D) x Velocity (V') (feet/second) x 0.9 = Cubic Feet per Second (CF/S).

Example: 20 x 0.5 x 1 = 9.0 = 108.9 cubic feet per second.

(Velocity is the time it takes a float object to travel a given distance. Dividing the distance traveled (feet by the time it will last) will yield velocity (feet/second)). This measurement should be repeated at least three times at the intended application site and then averaged.

After accurately determining the water flow rate in C.F./S. or gallons/min, calculate the corresponding Formula F-30 on the chart below.

WATER FLOW RATE

<table>
<thead>
<tr>
<th>C.F.S.</th>
<th>Gallons/Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>108.9</td>
</tr>
<tr>
<td>2</td>
<td>217.8</td>
</tr>
<tr>
<td>3</td>
<td>326.7</td>
</tr>
<tr>
<td>4</td>
<td>435.6</td>
</tr>
</tbody>
</table>

- Calculate the amount of Formula F-30 needed to maintain the drip rate for a period of 3 hours by multiplying Gallons/Minute by 3: Milliliters x 180. Or CF/S. x 180. Dosage will maintain 1.0 ppm copper concentration in the treated water for the 3 hour period. Introduction of the chemical should be made in the channel at vents or other turbulence creating structure to promote the dispersion of F-30.
- Pour the required amount of Formula F-30 into a drum or tank equipped with a large nozzle valve and constructed to maintain a constant drip rate. Readjust accordingly if flow rate changes during the 3 hour period.
- Distance of control obtained down the waterway will vary depending upon density of vegetation growth. Periodic maintenance treatments may be required to maintain seasonal control.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Keep container closed when not in use. Open dumping is prohibited.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinse that cannot be used or chemically reprocessed should be disposed of according to procedures approved by Federal, State, or Local Disposal Authorities.

CONTAINER DISPOSAL: Non-refillable Container: Do not reuse or refill this container. Clean container promptly after each use. Rinse container with a mixture of 10% bleach and 90% water. Rinse with water, and dispose of container in accordance with local laws. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or place in trash.

NOTICE: To the extent consistent with applicable law, neither the manufacturer nor the seller makes any warranty expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use of this material when such use is contrary to label instructions. Read and follow the label directions carefully.