

**ACCEPTED**

JUL 7, 1965

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under L.A. Reg. No. 4581-201

**GENERAL INFORMATION**

AQUATHOL GRANULAR is a granular aquatic herbicide which under field tests conditions has shown to be effective against a broad range of aquatic plants with a margin of safety to fish. Dosage rates indicated for the application of AQUATHOL GRANULAR are measured in "Parts Per Million" (ppm). 1 ppm as a dosage rate means that there would be 1 part of AQUATHOL GRANULAR's active ingredient in 1,000,000 parts of water. Only 1/2 to 5 ppm are generally required for aquatic weed control, whereas some fish species are tolerant to approximately 100 ppm or over.

**HOW TO DETERMINE DOSAGE RATE (Active Ingredient)**

AQUATHOL GRANULAR is recommended for the control of the following aquatic weeds at the rates indicated. Since AQUATHOL GRANULAR's active ingredient is water soluble and tends to diffuse from the area treated, select the dosage rate applicable to the area to be treated. Use the lower rate in each range of rates when the growth is young and growing and/or where the weed stand is not heavy. Marginal treatments of large bodies of water require highest rates as indicated.

**WEEDS CONTROLLED AND AQUATHOL GRANULAR DOSAGE RATE CHART**

Common Name	Latin Name	Entire Pond Or	
		Large Area Treatment	Spot Or Lake Margin Treatment
Bees Weed	Potamogeton amplifolius	2-3 ppm	3-4 ppm
Bar Reed	Sparganium spp.	3-4 ppm	4-5 ppm
Coptail	Ceratophyllum spp.	1-2 ppm	2-3 ppm
Milfoil	Myriophyllum spp.	2-3 ppm	3-4 ppm
Pondweed			
Bushy	Najas spp.	5-15 ppm	2-3 ppm
Curly-Leaf	Potamogeton crispus	5-15 ppm	2-3 ppm
Flat-Stem	Potamogeton zosteriformis	2-3 ppm	3-4 ppm
Floating-Leaf	Potamogeton natans	1-2 ppm	2-3 ppm
Horned	Zannichellia spp.	1-2 ppm	2-3 ppm
Sage	Potamogeton pectinatus	1-2 ppm	2-3 ppm
	Potamogeton nodosus	2-3 ppm	3-4 ppm
	Potamogeton diversifolius	1-2 ppm	2-3 ppm
	Potamogeton filiformis	2-3 ppm	3-4 ppm
	Potamogeton pusillus	1-2 ppm	2-3 ppm
Water Star Grass	Heteranthera spp.	2-3 ppm	3-4 ppm

In northern areas, Pithophora, Cladophora, and Spirogyra Algae can be controlled at the 2-5 ppm rate. However, due to the short residual life of AQUATHOL GRANULAR treated areas which have all the conditions favorable for algae development may be subject to regrowth.

**HOW TO DETERMINE QUANTITY TO BE APPLIED**

The following charts indicate the total quantity of material to be applied for certain size areas.

**APPROXIMATE POUNDS OF AQUATHOL GRANULAR FOR ONE ACRE\* TREATMENT**

**DOSAGE IN POUNDS FOR VARIOUS CONCENTRATIONS IN PPM**

DEPTH	0.5 ppm	1.0 ppm	1.5 ppm	2.0 ppm	2.5 ppm	3.0 ppm	4.0 ppm	5.0 ppm
1 Ft. Deep	13 lbs.	27 lbs.	40 lbs.	54 lbs.	67 lbs.	81 lbs.	108 lbs.	135 lbs.
2 Ft. Deep	27 lbs.	54 lbs.	81 lbs.	108 lbs.	134 lbs.	161 lbs.	215 lbs.	269 lbs.
3 Ft. Deep	40 lbs.	81 lbs.	121 lbs.	161 lbs.	202 lbs.	242 lbs.	323 lbs.	403 lbs.
4 Ft. Deep	54 lbs.	108 lbs.	161 lbs.	215 lbs.	269 lbs.	323 lbs.	430 lbs.	538 lbs.
5 Ft. Deep	67 lbs.	135 lbs.	202 lbs.	269 lbs.	336 lbs.	403 lbs.	538 lbs.	673 lbs.
6 Ft. Deep	81 lbs.	161 lbs.	242 lbs.	323 lbs.	403 lbs.	484 lbs.	646 lbs.	807 lbs.

**FOR 1000 SQUARE FEET TREATMENT**

**DOSAGE IN POUNDS FOR VARIOUS CONCENTRATIONS IN PPM**

DEPTH	0.5 ppm	1.0 ppm	1.5 ppm	2.0 ppm	2.5 ppm	3.0 ppm	4.0 ppm	5.0 ppm
1 Ft. Deep	.3 lbs.	.6 lbs.	.9 lbs.	1.2 lbs.	1.5 lbs.	1.9 lbs.	2.5 lbs.	3.1 lbs.
2 Ft. Deep	.6 lbs.	1.2 lbs.	1.9 lbs.	2.5 lbs.	3.1 lbs.	3.7 lbs.	4.9 lbs.	6.2 lbs.
3 Ft. Deep	.9 lbs.	1.9 lbs.	2.8 lbs.	3.7 lbs.	4.6 lbs.	5.6 lbs.	7.4 lbs.	9.3 lbs.
4 Ft. Deep	1.2 lbs.	2.5 lbs.	3.7 lbs.	4.9 lbs.	6.2 lbs.	7.4 lbs.	9.9 lbs.	12.4 lbs.
5 Ft. Deep	1.5 lbs.	3.1 lbs.	4.6 lbs.	6.2 lbs.	7.7 lbs.	9.3 lbs.	12.4 lbs.	15.4 lbs.
6 Ft. Deep	1.9 lbs.	3.7 lbs.	5.6 lbs.	7.4 lbs.	9.3 lbs.	11.1 lbs.	14.8 lbs.	18.5 lbs.

\*One acre equals approximately 208' x 208'

Where the area to be treated is greater than those listed in the charts proceed as follows:

- Compute the approximate surface acreage
- Compute the average depth
- Multiply a. by b. to determine the total number of acre/feet
- Multiply the pounds required at the 1 foot depth under the rate to be used by the number of acre/feet to determine total quantity to be used.

**HOW TO APPLY**

AQUATHOL GRANULAR is a contact killer; consequently, do not apply before weeds are present. Application as early as possible after weeds are present is recommended to permit use of lower application rates. However, for best results water temperature should be at a minimum of 65°F. If an entire pond is treated at one time, or if the dissolved oxygen level is low at time of application, decay of weeds may remove enough oxygen from the water causing fish to suffocate. Water containing very heavy vegetation should be treated in sections to prevent suffocation of fish. Sections should be treated 5-7 days apart. Carefully measure size and depth of area to be treated and determine proper amount of AQUATHOL GRANULAR to apply from chart. For best results apply on a calm day when there is little wave action.

Scatter AQUATHOL GRANULAR as evenly as possible over treated areas. A cyclone seeder is useful for this purpose.

In instances where the nuisance to be controlled is an exposed surface problem (i. e., filamentous algae mats and some of the broadleaved pond weeds) it is important to get good contact coverage of the problem

**CAUTION**

Avoid contact with or drift to other crops or plants as injury may result. Thoroughly clean application equipment immediately after use.

Do not store this material where it might contaminate seeds, feed or foodstuffs.

Do not use treated water for irrigation or for agricultural sprays on food crops or for domestic purposes within 7 days of treatment.

Do not use fish from treated water for food or feed within 3 days of treatment.

For best results treat areas of one acre or more and/or margins of at least 100 feet in large bodies of water.

Necessary approval and/or permits should be obtained in states where required.

NOTE: Areas treated with AQUATHOL GRANULAR may be used for swimming 24 hours after treatment.

**WARNING**

- MAY BE FATAL IF SWALLOWED.
- IRRITATING TO SKIN, NOSE, EYES AND THROAT.
- MAY BE ABSORBED THROUGH SKIN.
- AVOID INHALATION OF DUST OR GRANULAR PARTICLES.

Do not get in eyes, on skin or on clothing. Bathe and change clothing at least daily while using. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes; for eyes get medical attention. If swallowed, give cold milk or cold water. Call a doctor immediately.

**NOTICE**

Neither Pennsalt Chemicals Corporation, nor the seller, makes any representation or warranty, express or implied, concerning this material, except that it conforms to the chemical description on the label. Neither shall be held responsible in any manner for any personal injury or property damage or other type of loss resulting from the handling, storage, or use of this material. The buyer accepts and uses this material on these conditions.

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Ceratophyllum  
Demersum



Heteranthera  
Dubia



Najas  
Flexilis



Potamogeton  
Crispus



Potamogeton  
Natans



Potamogeton  
Amplifolius



Sparganium  
Americanum



Potamogeton \*3,6-endoxohexahydrophthalic acid equivalent 7.2%  
Pectinatus



Potamogeton  
Pusillus



Myriophyllum  
Heterophyllum



Zannichellia  
Palustris

50 LBS. NET WEIGHT  
**AQUATHIOL<sup>®</sup>**  
**GRANULAR**

A QUICK, EFFECTIVE  
 AQUATIC WEED KILLER  
 FOR PONDS AND LAKES

ACTIVE INGREDIENT: Dipotassium Salt of Endothall\* 10.1%  
 INERT INGREDIENTS 89.9%  
 TOTAL 100.0%

U.S. Patents: 2,550,494; 2,576,080; 2,576,081;  
 2,576,083; other patents pending

**WARNING**  
 SEE SPECIFIC WARNING & CAUTION  
 STATEMENTS ON SIDE PANEL  
 KEEP OUT OF REACH OF  
 CHILDREN

USDA Registration No. 4581-201

**PENNSALT**

CHEMICALS & EQUIPMENT

AGRICULTURAL CHEMICALS DIVISION

**PENNSALT CHEMICALS CORPORATION**  
 TACOMA, WASH.

# bioMet\* 204

## Marine Antifoulant

For formulating as an antifouling marine toxicant in paints.

Active Ingredient: Triphenyltin Fluoride \_\_\_\_\_ 95% Min.

Inert Ingredients: \_\_\_\_\_ 5% Max.

Total: 100%

**DANGER!** Keep Out of Reach of Children. May Be Fatal If Swallowed. Causes Severe Eye Damage. May Cause Skin Irritation.

Do not get in eyes, on skin, or on clothing. Wear goggles or face shield when handling. Avoid exposure to dust.

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get prompt medical attention; wash skin with plenty of soap and water. Wash contaminated clothing before re-use. This product is toxic to fish, birds and other wildlife. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. Do not re-use container. Destroy it by perforating or crushing. Bury or discard in a safe place.

M&T<sup>TM</sup>

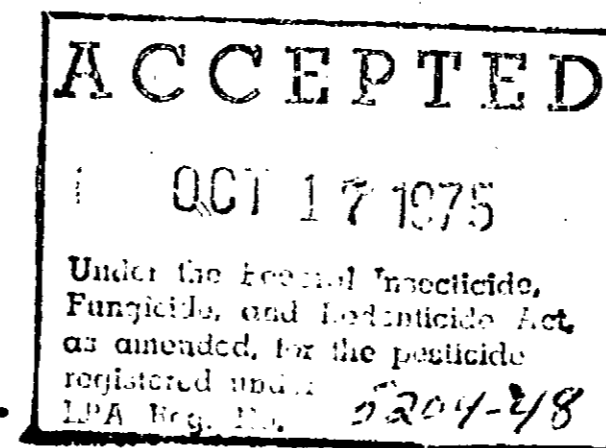
Read technical data bulletin about this product prior to use.

**CHEMICALS INC.**

SUBSIDIARY OF AMERICAN CAN COMPANY

GENERAL OFFICES, RAHWAY, NEW JERSEY 07065

No 79



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EPA EST. No. 5204-KY-1  
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