

11 23 RE-4581-200

ACCEPTED

DRAFT PROPOSED LABELING

JUL 18 1990

the Federal Insecticide,
Fungicide, and Rodenticide Act,
for the pesticide

Reg. No. 4581-204

AQUATHOL-K

AQUATIC HERBICIDE

ACTIVE INGREDIENT

Dipotassium salt of endosulfate

40.3%

INERT INGREDIENTS

59.7%

TOTAL

100.0%

7.0 lbs. endosulfate 2,3-dichloro-5,6-dicyano-1,4-benzoquinone
Contains per gallon 4.23 lbs. dipotassium endosulfate
(equivalent to 3.0 lbs. endosulfate)

KEEP OUT OF REACH OF CHILDREN



**DANGER
POISON**



STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

IF ON SKIN: immediately flush with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before reuse.

IF IN EYES: immediately flush with plenty of water for at least 15 minutes. Call a physician.

NOTE TO PHYSICIAN: Possible mucosal damage may compound the toxicity of the herbicide. Measures against circulatory shock, respiratory depression and convulsions are indicated.

See Side Panel for Additional Precautions, Warnings

NOTE: For GENERAL INFORMATION and DIRECTIONS FOR USE refer to the product label.

ATO
ATO CHEM
NORTH AMERICA

EPA REGISTRATION NO. 4581-204
EPA ESTABLISHED 1971

Net Contents Gallons/ Liters

AGCHEM DIVISION—ATO CHEM NORTH AMERICA

Philadelphia, PA 19102

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
(AND DOMESTIC ANIMALS)**

DANGER

FATAL IF ABSORBED THROUGH SKIN. MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED. CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WEAR PROTECTIVE CLOTHING, RUBBER GLOVES, AND GOGGLES OR FACE SHIELD WHEN HANDLING. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Avoid breathing spray mist.

ENVIRONMENTAL HAZARDS

Environmental Hazard Restrictions apply only to the treated areas.

Avoid contact with or drift to desirable crops or plants as injury may result. Wash out spray equipment with water after each operation.

Do not use fish from treated area for food or feed within 3 days of treatment. Do not use water from treated area for watering livestock, for preparing agricultural sprays for food crops or irrigation within the following periods:

Up to 0.5 ppm dipotassium salt
(0.35 ppm acid equivalent)—7 days after application

Up to 4.25 ppm dipotassium salt
0 ppm acid equivalent—14 days after application

Up to 5.0 ppm dipotassium salt
(3.5 ppm acid equivalent)—25 days after application

NOTE: Areas treated with AQUATHOL K may be used for swimming twenty four hours after treatment.

Treated water can be used for irrigating turf grass immediately.

STORAGE AND DISPOSAL

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

Storage instructions: Store in the original container. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. Storage at temperatures below 32°F may result in the product freezing or crystallizing. Should this occur the product must be warmed to 50°F or higher and thoroughly agitated. In the event of a spillage during handling or storage, absorb with sand or other inert material and dispose of absorbant in accordance with the Pesticide Disposal Instructions listed below.

Pesticide Disposal Instructions: 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 for guidance.

Container Disposal Instructions: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Common Name	Latin Name	Small Ponds Or Large Area Treatment	Spot Or Lake Margin Treatment
Bass Weed	Potamogeton amplifolius	2.0-3.0 ppm ...	3.0-4.0 ppm
Bur Reed	Sparganium spp.	3.0-4.0 ppm ...	4.0-5.0 ppm
Coontail	Ceratophyllum spp.	1.0-2.0 ppm ...	2.0-3.0 ppm
Hydrilla	Hydrilla verticillata	2.0-3.0 ppm ...	3.0-4.0 ppm
Milfoil	Myriophyllum spp.	2.0-3.0 ppm ...	3.0-4.0 ppm
Pondweed			
Bushy	Najas spp.	0.5-1.5 ppm ...	2.0-3.0 ppm
Curly-Leaf	Potamogeton crispus	0.5-1.5 ppm ...	2.0-3.0 ppm
Flat-Stem	Potamogeton zosterifolius	2.0-3.0 ppm ...	3.0-4.0 ppm
Floating-Leaf	Potamogeton natans	1.0-2.0 ppm ...	2.0-3.0 ppm
Horned	Zannichellia spp.	1.0-2.0 ppm ...	2.0-3.0 ppm
Sage	Potamogeton pectinatus	1.0-2.0 ppm ...	2.0-3.0 ppm
	Potamogeton americanus	2.0-3.0 ppm ...	3.0-4.0 ppm
	Potamogeton diversifolius	1.0-2.0 ppm ...	2.0-3.0 ppm
	Potamogeton filiformis	2.0-3.0 ppm ...	3.0-4.0 ppm
	Potamogeton pusillus	1.0-2.0 ppm ...	2.0-3.0 ppm
Water Star Grass	Heteranthera spp.	2.0-3.0 ppm ...	3.0-4.0 ppm

RATE OF APPLICATION-LAKES, PONDS AND RESERVOIRS

The following chart indicates the total quantity of material to be applied.

APPROXIMATE GALLONS OF AQUATHOL K FOR ONE ACRE (208' x 208') TREATMENT

DEPTH	DOSAGE IN GALLONS FOR VARIOUS CONCENTRATIONS IN PPM						
	0.5 ppm	1.0 ppm	1.5 ppm	2.0 ppm	3.0 ppm	4.0 ppm	5.0 ppm
1 ft.	0.3	0.6	1.0	1.3	1.9	2.6	3.2
2 ft.	0.6	1.3	1.9	2.6	3.8	5.1	6.4
4 ft.	1.3	2.6	3.8	5.1	7.7	10.2	12.8
6 ft.	1.9	3.8	5.8	7.6	11.5	15.3	19.2

RATE OF APPLICATION-RIVERS, STREAMS, DITCHES AND CANALS (INCLUDING DRAINAGE AND IRRIGATION)**

The following indicates the total quantity of material to be applied.

GALLONS OF AQUATHOL K REQUIRED TO TREAT 1 MILE BY 1 FOOT DEEP*

PPM	WIDTH OF CANAL IN FEET			
	5	10	15	100
1.0 ppm	0.4	0.75	1.2	7.5
2.0 ppm	0.75	1.5	2.3	15.0
3.0 ppm	1.2	2.3	3.5	22.5
4.0 ppm	1.5	3.0	4.5	30.0
5.0 ppm	2.0	3.8	5.7	37.5

The minimum contact time with weeds for optimum results should be 2 hours.

*For deeper water, adjust rate accordingly.

**Not for this use in California.

WARRANTY AND DISCLAIMER

Atochem North America warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. ATOCHEM MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL ATOCHEM OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS REPUTATION, OR CUSTOMERS; LABOR COST; OR OTHER EXPENSES INCURRED IN PLANTING OR HARVESTING.

Atochem and seller offer this product and the buyer and user accept it subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of Atochem.

GENERAL INFORMATION

AQUATHOL K is a liquid concentrate soluble in water which is effective against a broad range of aquatic plants with a margin of safety to fish.

Dosage rates indicated for the application of AQUATHOL K are measured in "Parts Per Million" (ppm) of dipotassium endosulfate. Only 0.5 to 5.0 ppm are generally required for aquatic weed control, whereas some fish species are tolerant to approximately 100 ppm or over.

DIRECTIONS FOR USE

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

AQUATIC WEEDS CONTROLLED AND DOSAGE RATE CHARTS

AQUATHOL K is recommended for the control of the following aquatic weeds in ponds, lakes, reservoirs, ditches (including drainage and irrigation), canals (including drainage and irrigation), rivers and streams that are quiescent or moving at the rates indicated. Since the 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 where the growth is young and growing and/or where the weed stand is not heavy. Marginal treatments of large bodies of water require higher rates as indicated.

HOW TO APPLY: AQUATHOL K is a contact herbicide; 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. 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 amount of AQUATHOL K to apply from chart. For best results apply on a calm day where there is little wave action.

AQUATHOL K should be sprayed on the water or injected below the water surface and should be distributed as evenly as possible. It may be applied as it comes from the container or diluted with water depending on the equipment. Some dilution will give better distribution.

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