


Net Weight

50 Pounds

AQUA-KLEEN

GRANULAR AQUATIC HERBICIDE

FOR CONTROLLING WATER WEEDS



AC 1234567890
12 Nov 1980

WATER HESTER
YELLOW WATERLILY
WATER PATTERDOCK
WATER STARWASS
WATER M. ELL
WHITE WATERLILY

GENERAL INFORMATION

AQUA-KLEEN aquatic herbicide contains a 4-D formulated as the low volatility diethyl ester. This has been formulated in special heat treated effluent granules that resist rapid decomposition in water. AQUA-KLEEN is highly effective on pond bottoms and reaches the weed growing medium through the water column.

OXYGEN RATIO

Fish breathe oxygen in the water and a water oxygen ratio must be maintained. Decaying weeds use up oxygen and during the period when AQUA-KLEEN aquatic herbicide should be used the weed mass is fully sprouting and the weed decomposition rate is slow enough so that the water oxygen ratio is not reduced by feeding the entire crop at one time.

For further information regarding the use of AQUA-KLEEN aquatic herbicide, contact your local distributor or the manufacturer. AQUA-KLEEN aquatic herbicide is a registered pesticide and its use is restricted to those areas where it is registered. AQUA-KLEEN aquatic herbicide is not to be used in areas where it is not registered.

PERMIT TO USE CHEMICALS IN WATER

CAUTION:

ACTIVE INGREDIENTS	
2,4-D (diethyl ester) (dichlorophenyl ester)	27.6%
INERT INGREDIENTS	72.4%

Isomer specific by ADAC method No. 6 D01.5
2,4-Dichlorophenoxyacetic acid equivalent 19% by weight

Made in U.S.A.

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
 AMBLER, PA 19002
 Clinton, Ia. ■ St. Joseph, Mo ■ Fremont, Ca.

DIRECTIONS

When to Apply

For best results spread AQUA KLEEN aquatic herbicide in the spring and early summer during the time weeds start to grow. If desired this timing can be checked by sampling the lake bottom in areas heavily infested with weeds the year before.

If treatments are delayed until weeds form a dense mat or reach the surface, two treatments may be necessary. Make the second treatment when weeds show signs of recovery, but no later than mid-August.

Occasionally a second application will be necessary if heavy regrowth occurs or weeds move in from untreated areas.

How to Apply

For large areas use a fertilizer spreader or mechanical seeder such as the Gerber or Gandy. Before spreading any chemical, calibrate your method of application to be sure of spreading the proper amount. When using boats and power equipment you must determine the proper combination of 1) boat speed, 2) rate of delivery from the spreader, and 3) width of swath covered by the granules.

For small areas — around docks or isolated patches of weeds — use a portable spreader such as the Cyclone seeder. Estimate or measure out the area you want to treat. Weigh out the amount of material needed and spread this uniformly over the area. More uniform coverage is obtained by dividing the required amount in two and covering the area twice, applying the second half at right angles to the first.

Use the following formula to calibrate your spreader's delivery in pounds of AQUA KLEEN aquatic herbicide per minute:

$$\text{miles per hour} \times \text{spreader width} \times \text{pounds per acre} = \text{pounds per minute} \times 435$$

Example: To apply 100 pounds of AQUA KLEEN per acre using a spreader that covers a 20-foot swath from a boat traveling at 4 miles per hour, set the spreader to deliver 16 pounds of AQUA KLEEN granules per minute.

$$4 \text{ mph} \times 20 \text{ feet} \times 100 \text{ lb./A} = 16 \text{ lb./min.} \times 435$$

When spreading AQUA KLEEN from a boat, we suggest setting out guide posts at frequent intervals marking out the area. This helps to steer a straight course.

Amounts to Use

Rates of application vary with the resistance of weed species to the chemical, density of weed mass at time of treatment, water depth, and rate of water flow through the treated area. Use the higher rate for dense weeds when water is more than 8 feet deep and where there is a large volume turnover.

		AQUA KLEEN	
		Pounds per acre	Pounds per 2000 sq. ft.
Susceptible weeds:		100	5
Water hyacinth	Myriophyllum spp.		
Water stargrass	Heteranthera dubia		
Slightly to moderate resistant weeds:		150-200	7-10
Badderwick	Utricularia spp.		
White water lily	Nymphaea spp.		
Yellow water lily	Sparganium		
Water shield	Najas spp.		
Water chestnut	Trapa natans		
Scant	Ceratophyllum demersum		

Repeat treatments may be needed.

This product is designed to control the weeds listed on the label. Control of other weeds may not be satisfactory.

Generally, weeds are difficult to control in lakes where water replacement comes from bottom springs.

Water pH

Lake water that is extremely acid or alkaline may influence the effectiveness of AQUA KLEEN aquatic herbicide. A pH on the acid side, pH 6.0 or below, generally favors the action of the chemical while a pH on the alkaline side, pH 8.0 or above, may reduce the action. If regrowth occurs within a period of 6 to 8 weeks, a second application may be needed.

CAUTION

Avoid contact with skin, eyes, or clothing. Do not store near fertilizers, acids, insecticides, or fungicides. Do not use in or near a greenhouse. Clean spreader equipment thoroughly before using it for any other purpose. Vapors from this product may injure susceptible plants in the immediate vicinity.

Do not apply to waters used for irrigation, agricultural sprays, watering dairy animals, or domestic water supplies.

Avoid drift of dust to susceptible plants.

Do not reuse empty bag. Destroy by burying in a safe place. Do not burn.

Do not use this product for purposes other than those recommended on the label.

WARRANTY

The manufacturer warrants that composition of this product conforms to the chemical description given in the ingredient statement and the product is suited for the purposes described when used according to directions. Because of the broad range of conditions which may be encountered with the use of this product, it is impossible to eliminate all risks, even though label directions are followed. The manufacturer therefore makes no other express or implied warranty, and no agent of the manufacturer is authorized to do so. Buyer agrees in purchasing this product to assume the risks and in the event of damages arising from a breach of the warranty to accept refund of the purchase price of the product as full discharge of the manufacturer's liability.

